

|                          |  |                               |
|--------------------------|--|-------------------------------|
| FORM PTO-1449 (Modified) | ATTY. DOCKET NO.<br>24736-2060             | SERIAL NO.<br>09/139,386      |
|                          | APPLICANT<br>Monforte, J. A. <i>et al.</i> |                               |
|                          | FILING DATE<br>August 25, 1998             | GROUP<br><del>1656</del> 1637 |

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | ITEM | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | NAME                      | CLASS | SUB<br>CLASS | FILING<br>DATE |
|---------------------|------|-----------------|---|---|---|---|---|---|----------|---------------------------|-------|--------------|----------------|
| ST                  | A    | 4               | 1 | 3 | 9 | 3 | 4 | 6 | 02/13/79 | Rabbani                   | 422   | 56           | 11/28/77       |
|                     | B    | 4               | 5 | 1 | 5 | 7 | 8 | 1 | 05/07/85 | Torrence <i>et al.</i>    | 514   | 44           | 02/23/83       |
|                     | C    | 4               | 5 | 8 | 2 | 7 | 8 | 9 | 04/15/86 | Sheldon III <i>et al.</i> | 435   | 6            | 12/18/84       |
|                     | D    | 4               | 6 | 0 | 4 | 3 | 6 | 3 | 08/05/86 | Newhouse <i>et al.</i>    | 436   | 177          | 10/18/84       |
|                     | E    | 4               | 6 | 5 | 6 | 1 | 2 | 7 | 04/07/87 | Mundy                     | 435   | 6            | 04/23/84       |
|                     | F    | 4               | 6 | 8 | 3 | 1 | 9 | 4 | 07/28/87 | Saiki <i>et al.</i>       | 435   | 6            | 03/28/85       |
|                     | G    | 4               | 6 | 8 | 3 | 1 | 9 | 5 | 07/28/87 | Mullis <i>et al.</i>      | 435   | 6            | 02/07/86       |
|                     | H    | 4               | 7 | 1 | 1 | 9 | 5 | 5 | 12/08/87 | Ward <i>et al.</i>        | 536   | 25.32        | 05/23/83       |
|                     | I    | 4               | 7 | 2 | 5 | 6 | 7 | 7 | 02/16/88 | Köster <i>et al.</i>      | 536   | 27           | 06/18/85       |
|                     | J    | 4               | 7 | 2 | 9 | 9 | 4 | 7 | 03/08/89 | Middendorf <i>et al.</i>  | 435   | 6            | 03/29/84       |
|                     | K    | 4               | 8 | 0 | 6 | 5 | 4 | 6 | 02/21/98 | Carrico <i>et al.</i>     | 536   | 27           | 09/30/85       |
|                     | L    | 4               | 8 | 8 | 2 | 1 | 2 | 7 | 11/21/89 | Rosenthal <i>et al.</i>   | 422   | 50           | 11/12/87       |
|                     | M    | 4               | 9 | 2 | 0 | 2 | 6 | 4 | 04/24/90 | Becker                    | 250   | 282          | 01/17/89       |
|                     | N    | 4               | 9 | 9 | 8 | 6 | 1 | 7 | 03/12/91 | Ladd, Jr. <i>et al.</i>   | 206   | 219          | 09/15/86       |
|                     | O    | 5               | 0 | 0 | 3 | 0 | 5 | 9 | 03/26/91 | Brennan                   | 536   | 27           | 06/20/88       |
|                     | P    | 5               | 0 | 5 | 9 | 6 | 5 | 4 | 10/22/91 | Hou <i>et al.</i>         | 525   | 54.1         | 02/16/89       |
|                     | Q    | 5               | 0 | 6 | 2 | 9 | 3 | 5 | 11/05/91 | Schlag <i>et al.</i>      | 204   | 157.41       | 03/21/89       |
|                     | R    | 5               | 0 | 6 | 4 | 7 | 5 | 4 | 11/12/91 | Mills                     | 435   | 6            | 11/13/87       |
|                     | S    | 5               | 1 | 1 | 8 | 9 | 3 | 7 | 06/02/92 | Hillenkamp <i>et al.</i>  | 250   | 282          | 08/21/90       |
|                     | T    | 5               | 1 | 3 | 5 | 8 | 7 | 0 | 08/04/92 | Williams <i>et al.</i>    | 436   | 173          | 06/01/90       |
|                     | U    | 5               | 1 | 4 | 3 | 8 | 5 | 4 | 09/01/92 | Pirrung <i>et al.</i>     | 436   | 518          | 03/07/90       |
|                     | V    | 5               | 1 | 4 | 9 | 6 | 2 | 5 | 09/22/92 | Church <i>et al.</i>      | 435   | 6            | 03/28/90       |
| ST                  | W    | 5               | 1 | 7 | 5 | 2 | 0 | 9 | 12/29/92 | Beattie <i>et al.</i>     | 525   | 54.11        | 01/31/91       |

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Title: **PRIMERS USEFUL FOR SIZING NUCLEIC ACIDS**

Dated: February 4, 2002

|                          |  |                          |
|--------------------------|--|--------------------------|
| FORM PTO-1449 (Modified) | ATTY. DOCKET NO.<br>24736-2060             | SERIAL NO.<br>09/139,386 |
|                          | APPLICANT<br>Monforte, J. A. <i>et al.</i> |                          |
|                          | FILING DATE<br>August 25, 1998             | GROUP<br>1656            |

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|  |    |   |   |   |   |   |   |   |          |                         |     |       |          |
|--|----|---|---|---|---|---|---|---|----------|-------------------------|-----|-------|----------|
|  | X  | 5 | 1 | 9 | 8 | 5 | 4 | 0 | 03/30/93 | Köster                  | 536 | 25.3  | 06/25/84 |
|  | Y  | 5 | 2 | 1 | 0 | 4 | 1 | 2 | 05/11/93 | Levis <i>et al.</i>     | 250 | 288   | 01/31/91 |
|  | Z  | 5 | 2 | 2 | 1 | 5 | 1 | 8 | 06/22/93 | Mills                   | 422 | 62    | 08/13/91 |
|  | AA | 5 | 2 | 3 | 7 | 0 | 1 | 6 | 08/17/93 | Ghosh <i>et al.</i>     | 525 | 329.4 | 01/05/89 |
|  | AB | 5 | 2 | 4 | 2 | 9 | 7 | 4 | 09/07/93 | Holmes                  | 525 | 54.11 | 11/22/91 |
|  | AC | 5 | 2 | 8 | 8 | 6 | 4 | 4 | 02/22/94 | Beavis <i>et al.</i>    | 436 | 94    | 11/13/92 |
|  | AD | 5 | 3 | 0 | 0 | 7 | 7 | 4 | 04/05/94 | Buttrill                | 250 | 287   | 04/25/91 |
|  | AE | 5 | 3 | 3 | 8 | 6 | 8 | 8 | 08/16/94 | Deeg <i>et al.</i>      | 436 | 180   | 02/19/93 |
|  | AF | 5 | 3 | 5 | 0 | 6 | 7 | 6 | 09/27/94 | Oberhardt <i>et al.</i> | 435 | 13    | 05/17/93 |
|  | AG | 5 | 3 | 6 | 4 | 7 | 6 | 0 | 11/15/94 | Chu <i>et al.</i>       | 435 | 6     | 09/22/92 |
|  | AH | 5 | 3 | 7 | 6 | 7 | 8 | 8 | 12/27/94 | Standing <i>et al.</i>  | 250 | 287   | 05/26/93 |
|  | AI | 5 | 3 | 8 | 0 | 8 | 3 | 3 | 01/10/95 | Urdea                   | 536 | 22.1  | 12/13/91 |
|  | AJ | 5 | 4 | 0 | 3 | 7 | 1 | 1 | 04/04/95 | Walder <i>et al.</i>    | 435 | 6     | 06/06/93 |
|  | AK | 5 | 4 | 2 | 7 | 9 | 2 | 9 | 06/27/95 | Richards <i>et al.</i>  | 435 | 91.2  | 05/03/93 |
|  | AL | 5 | 4 | 3 | 6 | 1 | 4 | 3 | 07/25/95 | Hyman                   | 435 | 91.2  | 12/23/92 |
|  | AM | 5 | 4 | 5 | 9 | 0 | 3 | 9 | 10/17/95 | Modrich <i>et al.</i>   | 435 | 6     | 03/18/94 |
|  | AN | 5 | 4 | 8 | 4 | 7 | 0 | 1 | 01/16/96 | Cocuzza <i>et al.</i>   | 435 | 6     | 01/31/92 |
|  | AO | 5 | 4 | 9 | 2 | 8 | 0 | 6 | 02/20/96 | Drmanac <i>et al.</i>   | 435 | 5     | 04/12/93 |
|  | AP | 5 | 4 | 9 | 8 | 5 | 4 | 5 | 03/12/96 | Vestal                  | 436 | 47    | 07/21/94 |
|  | AQ | 5 | 5 | 0 | 3 | 9 | 8 | 0 | 04/02/96 | Cantor                  | 435 | 6     | 10/17/94 |
|  | AR | 5 | 5 | 0 | 6 | 3 | 4 | 8 | 04/09/96 | Pieles                  | 536 | 23.1  | 02/24/94 |
|  | AS | 5 | 5 | 0 | 8 | 1 | 6 | 9 | 04/16/96 | Deugau <i>et al.</i>    | 435 | 6     | 10/28/94 |
|  | AT | 5 | 5 | 1 | 2 | 2 | 9 | 5 | 04/30/96 | Kornberg <i>et al.</i>  | 424 | 450   | 11/10/94 |
|  | AU | 5 | 5 | 1 | 2 | 4 | 3 | 9 | 04/30/96 | Hornes <i>et al.</i>    | 435 | 6     | 07/06/94 |
|  | AV | 5 | 5 | 1 | 4 | 5 | 4 | 8 | 50/07/96 | Krebber <i>et al.</i>   | 435 | 6     | 02/17/94 |
|  | AW | 5 | 5 | 2 | 5 | 4 | 6 | 4 | 06/11/96 | Drmanac <i>et al.</i>   | 435 | 6     | 02/28/94 |

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| FORM PTO-1449 (Modified) | ATTY. DOCKET NO.<br>24736-2060             | SERIAL NO.<br>09/139,386      |
|                          | APPLICANT<br>Monforte, J. A. <i>et al.</i> |                               |
|                          | FILING DATE<br>August 25, 1998             | GROUP<br><del>1656</del> 1637 |

|     |    |   |   |   |   |   |   |   |          |                         |     |       |          |
|-----|----|---|---|---|---|---|---|---|----------|-------------------------|-----|-------|----------|
| J.T | X  | 5 | 1 | 9 | 8 | 5 | 4 | 0 | 03/30/93 | Köster                  | 536 | 25.3  | 06/25/84 |
|     | Y  | 5 | 2 | 1 | 0 | 4 | 1 | 2 | 05/11/93 | Levis <i>et al.</i>     | 250 | 288   | 01/31/91 |
|     | Z  | 5 | 2 | 2 | 1 | 5 | 1 | 8 | 06/22/93 | Mills                   | 422 | 62    | 08/13/91 |
|     | AA | 5 | 2 | 3 | 7 | 0 | 1 | 6 | 08/17/93 | Ghosh <i>et al.</i>     | 525 | 329.4 | 01/05/89 |
|     | AB | 5 | 2 | 4 | 2 | 9 | 7 | 4 | 09/07/93 | Holmes                  | 525 | 54.11 | 11/22/91 |
|     | AC | 5 | 2 | 8 | 8 | 6 | 4 | 4 | 02/22/94 | Beavis <i>et al.</i>    | 436 | 94    | 11/13/92 |
|     | AD | 5 | 3 | 0 | 0 | 7 | 7 | 4 | 04/05/94 | Buttrill                | 250 | 287   | 04/25/91 |
|     | AE | 5 | 3 | 3 | 8 | 6 | 8 | 8 | 08/16/94 | Deeg <i>et al.</i>      | 436 | 180   | 02/19/93 |
|     | AF | 5 | 3 | 5 | 0 | 6 | 7 | 6 | 09/27/94 | Oberhardt <i>et al.</i> | 435 | 13    | 05/17/93 |
|     | AG | 5 | 3 | 6 | 4 | 7 | 6 | 0 | 11/15/94 | Chu <i>et al.</i>       | 435 | 6     | 09/22/92 |
|     | AH | 5 | 3 | 7 | 6 | 7 | 8 | 8 | 12/27/94 | Standing <i>et al.</i>  | 250 | 287   | 05/26/93 |
|     | AI | 5 | 3 | 8 | 0 | 8 | 3 | 3 | 01/10/95 | Urdea                   | 536 | 22.1  | 12/13/91 |
|     | AJ | 5 | 4 | 0 | 3 | 7 | 1 | 1 | 04/04/95 | Walder <i>et al.</i>    | 435 | 6     | 06/06/93 |
|     | AK | 5 | 4 | 2 | 7 | 9 | 2 | 9 | 06/27/95 | Richards <i>et al.</i>  | 435 | 91.2  | 05/03/93 |
| J.T | AL | 5 | 4 | 3 | 6 | 1 | 4 | 3 | 07/25/95 | Hyman                   | 435 | 91.2  | 12/23/92 |
| J.T | AM | 5 | 4 | 5 | 9 | 0 | 3 | 9 | 10/17/95 | Modrich <i>et al.</i>   | 435 | 6     | 03/18/94 |
|     | AN | 5 | 4 | 8 | 4 | 7 | 0 | 1 | 01/16/96 | Cocuzza <i>et al.</i>   | 435 | 6     | 01/31/92 |
|     | AO | 5 | 4 | 9 | 2 | 8 | 0 | 6 | 02/20/96 | Drmanac <i>et al.</i>   | 435 | 5     | 04/12/93 |
|     | AP | 5 | 4 | 9 | 8 | 5 | 4 | 5 | 03/12/96 | Vestal                  | 436 | 47    | 07/21/94 |
|     | AQ | 5 | 5 | 0 | 3 | 9 | 8 | 0 | 04/02/96 | Cantor                  | 435 | 6     | 10/17/94 |
|     | AR | 5 | 5 | 0 | 6 | 3 | 4 | 8 | 04/09/96 | Pieles                  | 536 | 23.1  | 02/24/94 |
|     | AS | 5 | 5 | 0 | 8 | 1 | 6 | 9 | 04/16/96 | Deugau <i>et al.</i>    | 435 | 6     | 10/28/94 |
|     | AT | 5 | 5 | 1 | 2 | 2 | 9 | 5 | 04/30/96 | Kornberg <i>et al.</i>  | 424 | 450   | 11/10/94 |
|     | AU | 5 | 5 | 1 | 2 | 4 | 3 | 9 | 04/30/96 | Hornes <i>et al.</i>    | 435 | 6     | 07/06/94 |
|     | AV | 5 | 5 | 1 | 4 | 5 | 4 | 8 | 50/07/96 | Krebber <i>et al.</i>   | 435 | 6     | 02/17/94 |
| J.T | AW | 5 | 5 | 2 | 5 | 4 | 6 | 4 | 06/11/96 | Drmanac <i>et al.</i>   | 435 | 6     | 02/28/94 |

EXAMINER

J. J. Z

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|                          | APPLICANT<br>Monforte, J. A. <i>et al.</i> |                          |
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|--|----|---|---|---|---|---|---|---|----------|-------------------------|-----|-------|----------|
|  | AX | 5 | 5 | 2 | 7 | 6 | 7 | 5 | 06/18/96 | Coull <i>et al.</i>     | 435 | 6     | 08/20/93 |
|  | AY | 5 | 5 | 3 | 8 | 8 | 9 | 7 | 07/23/96 | Yates <i>et al.</i>     | 436 | 89    | 03/14/94 |
|  | AZ | 5 | 5 | 4 | 7 | 8 | 3 | 5 | 08/20/96 | Köster                  | 435 | 6     | 01/06/94 |
|  | BA | 5 | 5 | 7 | 1 | 6 | 6 | 9 | 11/05/96 | Lu <i>et al.</i>        | 435 | 6     | 01/14/93 |
|  | BB | 5 | 5 | 7 | 1 | 6 | 7 | 6 | 11/05/96 | Shuber                  | 435 | 6     | 06/07/95 |
|  | BC | 5 | 5 | 8 | 0 | 4 | 3 | 4 | 12/03/96 | Northrup <i>et al.</i>  | 422 | 102   | 06/20/95 |
|  | BD | 5 | 5 | 8 | 0 | 7 | 3 | 2 | 12/03/96 | Grossman <i>et al.</i>  | 435 | 6     | 08/26/94 |
|  | BE | 5 | 5 | 8 | 0 | 7 | 3 | 3 | 12/03/96 | Levis <i>et al.</i>     | 435 | 6     | 09/06/94 |
|  | BF | 5 | 5 | 8 | 9 | 1 | 3 | 6 | 12/31/96 | Northrup <i>et al.</i>  | 422 | 102   | 06/20/95 |
|  | BG | 5 | 5 | 9 | 3 | 8 | 2 | 6 | 01/14/97 | Fung <i>et al.</i>      | 435 | 6     | 04/16/93 |
|  | BH | 5 | 6 | 0 | 1 | 9 | 8 | 2 | 02/11/97 | Sargent <i>et al.</i>   | 435 | 6     | 02/07/95 |
|  | BI | 5 | 6 | 0 | 5 | 6 | 6 | 2 | 02/25/97 | Heller                  | 422 | 68.1  | 11/01/93 |
|  | BJ | 5 | 6 | 0 | 5 | 7 | 9 | 8 | 02/25/97 | Köster                  | 435 | 6     | 03/17/95 |
|  | BK | 5 | 6 | 0 | 9 | 9 | 0 | 7 | 03/11/97 | Natan                   | 427 | 2.12  | 09/20/95 |
|  | BL | 5 | 6 | 2 | 2 | 8 | 2 | 4 | 04/22/97 | Köster <i>et al.</i>    | 435 | 6     | 02/10/95 |
|  | BM | 5 | 6 | 2 | 2 | 8 | 2 | 9 | 04/22/97 | King <i>et al.</i>      | 435 | 6     | 04/19/95 |
|  | BN | 5 | 6 | 3 | 1 | 1 | 3 | 4 | 05/20/98 | Cantor                  | 435 | 6     | 06/05/95 |
|  | BO | 5 | 6 | 4 | 1 | 8 | 6 | 2 | 06/24/97 | Rutter <i>et al.</i>    | 530 | 334   | 03/29/95 |
|  | BP | 5 | 6 | 4 | 3 | 8 | 0 | 0 | 07/01/97 | Tarantino <i>et al.</i> | 436 | 518   | 09/21/95 |
|  | BQ | 5 | 6 | 5 | 0 | 4 | 8 | 9 | 07/22/97 | Lam <i>et al.</i>       | 530 | 334   | 06/19/91 |
|  | BR | 5 | 6 | 5 | 4 | 1 | 5 | 0 | 08/05/97 | King <i>et al.</i>      | 435 | 6     | 06/07/95 |
|  | BS | 5 | 6 | 6 | 3 | 2 | 4 | 2 | 09/02/92 | Ghosh <i>et al.</i>     | 525 | 329.4 | 03/31/95 |
|  | BT | 5 | 6 | 7 | 0 | 3 | 2 | 2 | 09/23/97 | Eggers <i>et al.</i>    | 435 | 6     | 06/01/95 |
|  | BU | 5 | 6 | 7 | 0 | 3 | 8 | 1 | 09/23/97 | Jou <i>et al.</i>       | 436 | 518   | 05/08/95 |
|  | BV | 5 | 6 | 7 | 7 | 1 | 9 | 5 | 10/14/97 | Winkler <i>et al.</i>   | 436 | 518   | 11/20/92 |
|  | BW | 5 | 6 | 8 | 8 | 6 | 4 | 2 | 11/18/97 | Chrisey <i>et al.</i>   | 435 | 6     | 12/01/94 |

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Monforte, J. A. *et al.*FILING DATE  
August 25, 1998GROUP  
1656, 1677

|    |    |   |   |   |   |   |   |   |          |                         |     |       |          |
|----|----|---|---|---|---|---|---|---|----------|-------------------------|-----|-------|----------|
| ST | AX | 5 | 5 | 2 | 7 | 6 | 7 | 5 | 06/18/96 | Coull <i>et al.</i>     | 435 | 6     | 08/20/93 |
|    | AY | 5 | 5 | 3 | 8 | 8 | 9 | 7 | 07/23/96 | Yates <i>et al.</i>     | 436 | 89    | 03/14/94 |
|    | AZ | 5 | 5 | 4 | 7 | 8 | 3 | 5 | 08/20/96 | Köster                  | 435 | 6     | 01/06/94 |
|    | BA | 5 | 5 | 7 | 1 | 6 | 6 | 9 | 11/05/96 | Lu <i>et al.</i>        | 435 | 6     | 01/14/93 |
|    | BB | 5 | 5 | 7 | 1 | 6 | 7 | 6 | 11/05/96 | Shuber                  | 435 | 6     | 06/07/95 |
|    | BC | 5 | 5 | 8 | 0 | 4 | 3 | 4 | 12/03/96 | Northrup <i>et al.</i>  | 422 | 102   | 06/20/95 |
|    | BD | 5 | 5 | 8 | 0 | 7 | 3 | 2 | 12/03/96 | Grossman <i>et al.</i>  | 435 | 6     | 08/26/94 |
|    | BE | 5 | 5 | 8 | 0 | 7 | 3 | 3 | 12/03/96 | Levis <i>et al.</i>     | 435 | 6     | 09/06/94 |
|    | BF | 5 | 5 | 8 | 9 | 1 | 3 | 6 | 12/31/96 | Northrup <i>et al.</i>  | 422 | 102   | 06/20/95 |
|    | BG | 5 | 5 | 9 | 3 | 8 | 2 | 6 | 01/14/97 | Fung <i>et al.</i>      | 435 | 6     | 04/16/93 |
|    | BH | 5 | 6 | 0 | 1 | 9 | 8 | 2 | 02/11/97 | Sargent <i>et al.</i>   | 435 | 6     | 02/07/95 |
|    | BI | 5 | 6 | 0 | 5 | 6 | 6 | 2 | 02/25/97 | Heller                  | 422 | 68.1  | 11/01/93 |
|    | BJ | 5 | 6 | 0 | 5 | 7 | 9 | 8 | 02/25/97 | Köster                  | 435 | 6     | 03/17/95 |
|    | BK | 5 | 6 | 0 | 9 | 9 | 0 | 7 | 03/11/97 | Natan                   | 427 | 2.12  | 09/20/95 |
|    | BL | 5 | 6 | 2 | 2 | 8 | 2 | 4 | 04/22/97 | Köster <i>et al.</i>    | 435 | 6     | 02/10/95 |
|    | BM | 5 | 6 | 2 | 2 | 8 | 2 | 9 | 04/22/97 | King <i>et al.</i>      | 435 | 6     | 04/19/95 |
|    | BN | 5 | 6 | 3 | 1 | 1 | 3 | 4 | 05/20/98 | Cantor                  | 435 | 6     | 06/05/95 |
| ST | BO | 5 | 6 | 4 | 1 | 8 | 6 | 2 | 06/24/97 | Rutter <i>et al.</i>    | 530 | 334   | 03/29/95 |
|    | BP | 5 | 6 | 4 | 3 | 8 | 0 | 0 | 07/01/97 | Tarantino <i>et al.</i> | 436 | 518   | 09/21/95 |
|    | BQ | 5 | 6 | 5 | 0 | 4 | 8 | 9 | 07/22/97 | Lam <i>et al.</i>       | 530 | 334   | 06/19/91 |
|    | BR | 5 | 6 | 5 | 4 | 1 | 5 | 0 | 08/05/97 | King <i>et al.</i>      | 435 | 6     | 06/07/95 |
|    | BS | 5 | 6 | 6 | 3 | 2 | 4 | 2 | 09/02/92 | Ghosh <i>et al.</i>     | 525 | 329.4 | 03/31/95 |
|    | BT | 5 | 6 | 7 | 0 | 3 | 2 | 2 | 09/23/97 | Eggers <i>et al.</i>    | 435 | 6     | 06/01/95 |
|    | BU | 5 | 6 | 7 | 0 | 3 | 8 | 1 | 09/23/97 | Jou <i>et al.</i>       | 436 | 518   | 05/08/95 |
|    | BV | 5 | 6 | 7 | 7 | 1 | 9 | 5 | 10/14/97 | Winkler <i>et al.</i>   | 436 | 518   | 11/20/92 |
|    | BW | 5 | 6 | 8 | 8 | 6 | 4 | 2 | 11/18/97 | Chrisey <i>et al.</i>   | 435 | 6     | 12/01/94 |

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|                          | FILING DATE<br>August 25, 1998             | GROUP<br><del>1056</del> 1637 |

|    |    |   |   |   |   |   |   |   |          |                         |     |       |          |
|----|----|---|---|---|---|---|---|---|----------|-------------------------|-----|-------|----------|
| IT | BX | 5 | 6 | 9 | 1 | 1 | 4 | 1 | 11/25/97 | Köster <i>et al.</i>    | 435 | 6     | 06/06/95 |
|    | BY | 5 | 6 | 9 | 5 | 9 | 4 | 0 | 12/09/97 | Drmanac <i>et al.</i>   | 435 | 6     | 06/05/95 |
|    | BZ | 5 | 7 | 0 | 0 | 6 | 4 | 2 | 12/23/97 | Monforte <i>et al.</i>  | 435 | 6     | 05/22/95 |
|    | CA | 5 | 7 | 1 | 0 | 0 | 2 | 8 | 01/20/98 | Eyal <i>et al.</i>      | 435 | 91.1  | 10/04/94 |
|    | CB | 5 | 7 | 1 | 6 | 8 | 2 | 5 | 02/10/98 | Hancock <i>et al.</i>   | 435 | 286.5 | 11/01/95 |
|    | CC | 5 | 7 | 6 | 0 | 3 | 9 | 3 | 06/02/98 | Vestal <i>et al.</i>    | 250 | 282   | 10/17/96 |
|    | CD | 5 | 7 | 6 | 2 | 8 | 7 | 6 | 06/09/98 | Lincoln <i>et al.</i>   | 422 | 67    | 12/22/94 |
|    | CE | 5 | 7 | 7 | 0 | 3 | 6 | 7 | 06/23/98 | Southern <i>et al.</i>  | 435 | 6     | 02/05/96 |
|    | CF | 5 | 7 | 7 | 0 | 8 | 6 | 0 | 06/23/98 | Franzen                 | 250 | 288   | 07/10/97 |
|    | CG | 5 | 7 | 7 | 7 | 3 | 2 | 4 | 07/07/98 | Hillenkamp              | 250 | 288   | 09/19/96 |
|    | CH | 5 | 7 | 9 | 5 | 7 | 1 | 4 | 08/18/98 | Cantor <i>et al.</i>    | 435 | 6     | 08/23/93 |
|    | CI | 5 | 8 | 0 | 7 | 5 | 2 | 2 | 09/15/98 | Brown <i>et al.</i>     | 422 | 50    | 06/07/95 |
|    | CJ | 5 | 8 | 2 | 1 | 0 | 6 | 3 | 10/13/98 | Patterson <i>et al.</i> | 435 | 6     | 04/18/97 |
|    | CK | 5 | 8 | 2 | 8 | 0 | 6 | 3 | 10/27/98 | Köster <i>et al.</i>    | 250 | 288   | 04/02/97 |
|    | CL | 5 | 8 | 3 | 0 | 6 | 5 | 5 | 11/3/98  | Monforte <i>et al.</i>  | 435 | 6     | 04/26/96 |
|    | CM | 5 | 8 | 3 | 4 | 1 | 8 | 9 | 11/10/98 | Stevens <i>et al.</i>   | 435 | 6     | 12/22/95 |
|    | CN | 5 | 8 | 4 | 6 | 7 | 1 | 0 | 12/08/98 | Bajaj                   | 435 | 6     | 08/06/93 |
|    | CO | 5 | 8 | 4 | 6 | 7 | 1 | 7 | 12/08/98 | Brow <i>et al.</i>      | 435 | 6     | 01/24/96 |
|    | CP | 5 | 8 | 5 | 1 | 7 | 6 | 5 | 12/22/98 | Köster                  | 435 | 6     | 05/30/95 |
|    | CQ | 5 | 8 | 5 | 3 | 9 | 8 | 9 | 12/29/98 | Jeffreys <i>et al.</i>  | 435 | 6     | 05/06/96 |
|    | CR | 5 | 8 | 5 | 4 | 4 | 8 | 6 | 12/29/98 | Dreyfus                 | 250 | 288   | 12/27/96 |
|    | CS | 5 | 8 | 5 | 6 | 0 | 9 | 2 | 01/05/99 | Dale <i>et al.</i>      | 435 | 6     | 04/27/95 |
|    | CT | 5 | 8 | 6 | 4 | 1 | 3 | 7 | 01/26/99 | Becker <i>et al.</i>    | 250 | 287   | 10/01/96 |
|    | CU | 5 | 8 | 6 | 9 | 2 | 4 | 0 | 02/09/99 | Patterson               | 435 | 6     | 05/19/95 |
|    | CV | 5 | 8 | 6 | 9 | 2 | 4 | 2 | 02/09/99 | Kamb                    | 435 | 6     | 09/18/95 |
| IT | CW | 5 | 8 | 7 | 2 | 0 | 0 | 3 | 02/16/99 | Köster                  | 435 | 283.1 | 05/30/95 |

EXAMINER

June 2

DATE CONSIDERED

11/21/2002

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: **PRIMERS USEFUL FOR SIZING NUCLEIC ACIDS**

Dated: February 4, 2002

|                          |  |                          |
|--------------------------|--|--------------------------|
| FORM PTO-1449 (Modified) | ATTY. DOCKET NO.<br>24736-2060             | SERIAL NO.<br>09/139,386 |
|                          | APPLICANT<br>Monforte, J. A. <i>et al.</i> |                          |
|                          | FILING DATE<br>August 25, 1998             | GROUP<br>1656, 1637      |

|     |    |   |   |   |   |   |   |   |          |                         |     |       |          |
|-----|----|---|---|---|---|---|---|---|----------|-------------------------|-----|-------|----------|
| 3.7 | BX | 5 | 6 | 9 | 1 | 1 | 4 | 1 | 11/25/97 | Köster <i>et al.</i>    | 435 | 6     | 06/06/95 |
|     | BY | 5 | 6 | 9 | 5 | 9 | 4 | 0 | 12/09/97 | Drmanac <i>et al.</i>   | 435 | 6     | 06/05/95 |
|     | BZ | 5 | 7 | 0 | 0 | 6 | 4 | 2 | 12/23/97 | Monforte <i>et al.</i>  | 435 | 6     | 05/22/95 |
|     | CA | 5 | 7 | 1 | 0 | 0 | 2 | 8 | 01/20/98 | Eyal <i>et al.</i>      | 435 | 91.1  | 10/04/94 |
|     | CB | 5 | 7 | 1 | 6 | 8 | 2 | 5 | 02/10/98 | Hancock <i>et al.</i>   | 435 | 286.5 | 11/01/95 |
|     | CC | 5 | 7 | 6 | 0 | 3 | 9 | 3 | 06/02/98 | Vestal <i>et al.</i>    | 250 | 282   | 10/17/96 |
|     | CD | 5 | 7 | 6 | 2 | 8 | 7 | 6 | 06/09/98 | Lincoln <i>et al.</i>   | 422 | 67    | 12/22/94 |
|     | CE | 5 | 7 | 7 | 0 | 3 | 6 | 7 | 06/23/98 | Southern <i>et al.</i>  | 435 | 6     | 02/05/96 |
|     | CF | 5 | 7 | 7 | 0 | 8 | 6 | 0 | 06/23/98 | Franzen                 | 250 | 288   | 07/10/97 |
|     | CG | 5 | 7 | 7 | 7 | 3 | 2 | 4 | 07/07/98 | Hillenkamp              | 250 | 288   | 09/19/96 |
|     | CH | 5 | 7 | 9 | 5 | 7 | 1 | 4 | 08/18/98 | Cantor <i>et al.</i>    | 435 | 6     | 08/23/93 |
|     | CI | 5 | 8 | 0 | 7 | 5 | 2 | 2 | 09/15/98 | Brown <i>et al.</i>     | 422 | 50    | 06/07/95 |
|     | CJ | 5 | 8 | 2 | 1 | 0 | 6 | 3 | 10/13/98 | Patterson <i>et al.</i> | 435 | 6     | 04/18/97 |
|     | CK | 5 | 8 | 2 | 8 | 0 | 6 | 3 | 10/27/98 | Köster <i>et al.</i>    | 250 | 288   | 04/02/97 |
|     | CL | 5 | 8 | 3 | 0 | 6 | 5 | 5 | 11/3/98  | Monforte <i>et al.</i>  | 435 | 6     | 04/26/96 |
| ST  | CM | 5 | 8 | 3 | 4 | 1 | 8 | 9 | 11/10/98 | Stevens <i>et al.</i>   | 435 | 6     | 12/22/95 |
| ST  | CN | 5 | 8 | 4 | 6 | 7 | 1 | 0 | 12/08/98 | Bajaj                   | 435 | 6     | 08/06/93 |
|     | CO | 5 | 8 | 4 | 6 | 7 | 1 | 7 | 12/08/98 | Brow <i>et al.</i>      | 435 | 6     | 01/24/96 |
|     | CP | 5 | 8 | 5 | 1 | 7 | 6 | 5 | 12/22/98 | Köster                  | 435 | 6     | 05/30/95 |
|     | CQ | 5 | 8 | 5 | 3 | 9 | 8 | 9 | 12/29/98 | Jeffreys <i>et al.</i>  | 435 | 6     | 05/06/96 |
|     | CR | 5 | 8 | 5 | 4 | 4 | 8 | 6 | 12/29/98 | Dreyfus                 | 250 | 288   | 12/27/96 |
|     | CS | 5 | 8 | 5 | 6 | 0 | 9 | 2 | 01/05/99 | Dale <i>et al.</i>      | 435 | 6     | 04/27/95 |
|     | CT | 5 | 8 | 6 | 4 | 1 | 3 | 7 | 01/26/99 | Becker <i>et al.</i>    | 250 | 287   | 10/01/96 |
|     | CU | 5 | 8 | 6 | 9 | 2 | 4 | 0 | 02/09/99 | Patterson               | 435 | 6     | 05/19/95 |
|     | CV | 5 | 8 | 6 | 9 | 2 | 4 | 2 | 02/09/99 | Kamb                    | 435 | 6     | 09/18/95 |
| ST  | CW | 5 | 8 | 7 | 2 | 0 | 0 | 3 | 02/16/99 | Köster                  | 435 | 283.1 | 05/30/95 |

EXAMINER

DATE CONSIDERED

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Title: **PRIMERS USEFUL FOR SIZING NUCLEIC ACIDS**

Dated: February 4, 2002

|                          |  |                          |
|--------------------------|--|--------------------------|
| FORM PTO-1449 (Modified) | ATTY. DOCKET NO.<br>24736-2060             | SERIAL NO.<br>09/139,386 |
|                          | APPLICANT<br>Monforte, J. A. <i>et al.</i> |                          |
|                          | FILING DATE<br>August 25, 1998             | GROUP<br>1656-1627       |

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

|    |    |   |   |   |   |   |   |   |          |                         |     |      |          |
|----|----|---|---|---|---|---|---|---|----------|-------------------------|-----|------|----------|
| 87 | CX | 5 | 8 | 7 | 6 | 9 | 3 | 4 | 03/02/99 | Duthie <i>et al.</i>    | 435 | 6    | 12/18/96 |
|    | CY | 5 | 8 | 8 | 5 | 7 | 7 | 5 | 03/23/99 | Haff <i>et al.</i>      | 435 | 6    | 10/04/96 |
|    | CZ | 5 | 8 | 8 | 8 | 8 | 1 | 9 | 03/30/99 | Goelet <i>et al.</i>    | 435 | 5    | 03/05/91 |
|    | DA | 5 | 8 | 9 | 4 | 0 | 6 | 3 | 04/13/99 | Hutchens <i>et al.</i>  | 436 | 155  | 01/17/97 |
|    | DB | 5 | 9 | 0 | 0 | 4 | 8 | 1 | 05/04/99 | Lough <i>et al.</i>     | 536 | 55.3 | 11/06/96 |
|    | DC | 5 | 9 | 0 | 8 | 7 | 5 | 5 | 06/01/99 | Kumar <i>et al.</i>     | 435 | 6    | 10/15/97 |
|    | DD | 5 | 9 | 1 | 2 | 1 | 1 | 8 | 06/15/99 | Ansorge <i>et al.</i>   | 435 | 6    | 08/03/92 |
|    | DE | 5 | 9 | 2 | 5 | 5 | 2 | 0 | 07/20/99 | Tully <i>et al.</i>     | 435 | 6    | 02/14/97 |
|    | DF | 5 | 9 | 2 | 8 | 9 | 0 | 6 | 07/27/99 | Köster <i>et al.</i>    | 435 | 91.2 | 05/09/96 |
|    | DG | 5 | 9 | 4 | 8 | 6 | 5 | 3 | 09/07/99 | Pati <i>et al.</i>      | 435 | 6    | 08/13/97 |
|    | DH | 5 | 9 | 5 | 2 | 1 | 7 | 4 | 09/14/99 | Nikiforov <i>et al.</i> | 435 | 6    | 09/15/97 |
|    | DI | 5 | 9 | 6 | 5 | 3 | 6 | 3 | 10/12/99 | Monforte <i>et al.</i>  | 435 | 6    | 12/02/96 |
|    | DJ | 5 | 9 | 6 | 9 | 3 | 5 | 0 | 10/19/99 | Kerley <i>et al.</i>    | 250 | 287  | 03/17/98 |
|    | DK | 5 | 9 | 7 | 6 | 7 | 9 | 8 | 11/02/99 | Parker <i>et al.</i>    | 435 | 6    | 02/28/97 |
|    | DL | 5 | 9 | 7 | 6 | 8 | 0 | 2 | 11/02/99 | Ansorge <i>et al.</i>   | 435 | 6    | 04/26/96 |
|    | DM | 5 | 9 | 8 | 1 | 1 | 8 | 6 | 11/09/99 | Gabe <i>et al.</i>      | 435 | 6    | 07/14/97 |
|    | DN | 5 | 9 | 8 | 5 | 3 | 5 | 6 | 11/16/99 | Schultz <i>et al.</i>   | 427 | 8    | 10/18/94 |
|    | DO | 5 | 9 | 9 | 8 | 1 | 4 | 3 | 12/07/99 | Ellis <i>et al.</i>     | 435 | 6    | 12/05/97 |
|    | DP | 6 | 0 | 0 | 1 | 5 | 6 | 7 | 12/14/99 | Brow <i>et al.</i>      | 435 | 6    | 07/12/96 |
|    | DQ | 6 | 0 | 0 | 4 | 7 | 4 | 4 | 12/21/99 | Goelet <i>et al.</i>    | 435 | 5    | 10/11/91 |
|    | DR | 6 | 0 | 1 | 3 | 4 | 3 | 1 | 01/11/00 | Söderlund <i>et al.</i> | 435 | 5    | 12/02/93 |
|    | DS | 6 | 0 | 1 | 7 | 7 | 0 | 2 | 01/25/00 | Lee <i>et al.</i>       | 435 | 6    | 01/21/97 |
|    | DT | 6 | 0 | 1 | 8 | 0 | 4 | 1 | 01/25/00 | Drmanac <i>et al.</i>   | 536 | 24.3 | 07/29/97 |
|    | DU | 6 | 0 | 2 | 2 | 6 | 8 | 8 | 02/08/00 | Jurinke <i>et al.</i>   | 435 | 6    | 05/13/96 |
|    | DV | 6 | 0 | 2 | 4 | 9 | 2 | 5 | 02/15/00 | Little <i>et al.</i>    | 422 | 100  | 01/23/97 |
| 37 | DW | 6 | 0 | 2 | 5 | 1 | 3 | 6 | 02/15/00 | Drmanac                 | 435 | 6    | 08/28/97 |

EXAMINER

DATE CONSIDERED

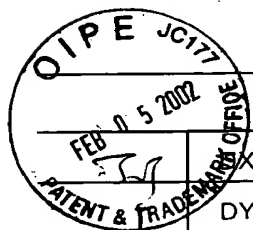
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: **PRIMERS USEFUL FOR SIZING NUCLEIC ACIDS**

Dated: February 4, 2002



FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
24736-2060SERIAL NO.  
09/139,386LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENTAPPLICANT  
Monforte, J. A. *et al.*FILING DATE  
August 25, 1998GROUP  
1656

|  |    |   |   |   |   |   |   |   |                |                           |     |      |          |
|--|----|---|---|---|---|---|---|---|----------------|---------------------------|-----|------|----------|
|  |    | 6 | 0 | 2 | 7 | 8 | 9 | 0 | 02/22/00       | Ness <i>et al.</i>        | 435 | 6    | 07/22/97 |
|  | DY | 6 | 0 | 3 | 0 | 7 | 7 | 8 | 02/29/00       | Acton <i>et al.</i>       | 435 | 6    | 07/10/97 |
|  | DZ | 6 | 0 | 4 | 0 | 1 | 9 | 3 | 03/21/00       | Winkler <i>et al.</i>     | 436 | 180  | 08/04/98 |
|  | EA | 6 | 0 | 4 | 3 | 0 | 3 | 1 | 03/28/00       | Köster <i>et al.</i>      | 435 | 6    | 03/18/96 |
|  | EB | 6 | 0 | 4 | 6 | 0 | 0 | 5 | 04/04/00       | Ju <i>et al.</i>          | 435 | 6    | 09/16/98 |
|  | EC | 6 | 0 | 5 | 1 | 3 | 7 | 8 | 04/18/00       | Monforte <i>et al.</i>    | 435 | 6    | 03/04/97 |
|  | ED | 6 | 0 | 5 | 4 | 2 | 7 | 6 | 04/25/00       | Macevicz                  | 435 | 6    | 02/23/98 |
|  | EE | 6 | 0 | 7 | 4 | 8 | 2 | 3 | 06/13/00       | Köster                    | 435 | 6    | 11/06/96 |
|  | EF | 6 | 0 | 7 | 4 | 8 | 5 | 3 | 06/13/00       | Pati <i>et al.</i>        | 435 | 91.1 | 08/14/98 |
|  | EG | 6 | 0 | 8 | 7 | 0 | 9 | 5 | 07/11/00       | Rosenthal <i>et al.</i>   | 435 | 6    | 04/22/93 |
|  | EH | 6 | 0 | 9 | 0 | 5 | 5 | 8 | 07/18/00       | Butler <i>et al.</i>      | 435 | 6    | 09/18/98 |
|  | EI | 6 | 1 | 0 | 4 | 0 | 2 | 8 | 08/15/00       | Hunter <i>et al.</i>      | 250 | 288  | 05/29/98 |
|  | EJ | 6 | 1 | 1 | 0 | 4 | 2 | 6 | 08/29/00       | Shalon <i>et al.</i>      | 422 | 68.1 | 12/30/97 |
|  | EK | 6 | 1 | 1 | 1 | 2 | 5 | 1 | 08/29/00       | Hillenkamp                | 250 | 288  | 09/19/97 |
|  | EL | 6 | 1 | 1 | 7 | 6 | 3 | 4 | 09/12/00       | Langmore <i>et al.</i>    | 435 | 6    | 03/06/97 |
|  | EM | 6 | 1 | 2 | 1 | 0 | 4 | 8 | 09/19/00       | Zaffaroni <i>et al.</i>   | 436 | 45   | 10/18/94 |
|  | EN | 6 | 1 | 3 | 2 | 7 | 2 | 4 | 10/17/00       | Blum                      | 424 | 725  | 04/29/98 |
|  | EO | 6 | 1 | 3 | 3 | 4 | 3 | 6 | 10/17/00       | Köster <i>et al.</i>      | 536 | 24.3 | 09/19/97 |
|  | EP | 6 | 1 | 3 | 6 | 2 | 6 | 9 | 10/24/00       | Winkler <i>et al.</i>     | 422 | 61   | 04/21/95 |
|  | EQ | 6 | 1 | 4 | 0 | 0 | 4 | 5 | 10/31/00       | Wohlstadter <i>et al.</i> | 435 | 6    | 03/06/97 |
|  | ER | 6 | 1 | 4 | 0 | 0 | 5 | 3 | 10/31/00       | Köster                    | 435 | 6    | 09/25/98 |
|  | ES | 6 | 1 | 4 | 6 | 8 | 5 | 4 | 11/14/00       | Köster <i>et al.</i>      | 435 | 91.1 | 08/31/95 |
|  | ET | 6 | 1 | 5 | 6 | 5 | 0 | 1 | 12/05/00       | McGall <i>et al.</i>      | 435 | 6    | 04/03/96 |
|  | EU | 6 | 1 | 9 | 4 | 1 | 4 | 4 | B1<br>02/27/01 | Köster                    | 435 | 6    | 03/18/96 |
|  | EV | 6 | 1 | 9 | 7 | 4 | 9 | 8 | B1<br>03/06/01 | Köster                    | 435 | 5    | 03/17/95 |

EXAMINER

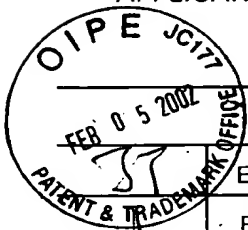
DATE CONSIDERED

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Title: **PRIMERS USEFUL FOR SIZING NUCLEIC ACIDS**

Dated: February 4, 2002

FORM PTO-1449 (Modified)

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Monforte, J. A. *et al.*FILING DATE  
August 25, 1998GROUP  
1656

|    |   |   |   |   |   |   |   |                |                       |     |      |          |
|----|---|---|---|---|---|---|---|----------------|-----------------------|-----|------|----------|
| EW | 6 | 2 | 0 | 0 | 8 | 1 | 2 | 03/13/01       | Pati <i>et al.</i>    | 435 | 463  | 04/08/99 |
| EX | 6 | 2 | 0 | 7 | 3 | 7 | 0 | B1<br>03/27/01 | Little <i>et al.</i>  | 435 | 6    | 09/02/97 |
| EY | 6 | 2 | 2 | 1 | 6 | 0 | 1 | B1<br>04/24/01 | Köster <i>et al.</i>  | 435 | 6    | 11/02/99 |
| EZ | 6 | 2 | 2 | 1 | 6 | 0 | 5 | B1<br>04/24/01 | Köster                | 435 | 6    | 02/15/00 |
| FA | 6 | 2 | 2 | 5 | 0 | 6 | 1 | 05/01/01       | Becker <i>et al.</i>  | 435 | 6    | 03/10/99 |
| FB | 6 | 2 | 2 | 5 | 4 | 5 | 0 | 05/01/01       | Köster                | 536 | 22.1 | 06/07/95 |
| FC | 6 | 2 | 3 | 5 | 4 | 7 | 8 | B1<br>05/22/01 | Köster                | 435 | 6    | 04/06/99 |
| FD | 6 | 2 | 3 | 8 | 8 | 7 | 1 | B1<br>05/29/01 | Köster                | 435 | 6    | 05/08/00 |
| FE | 6 | 2 | 5 | 8 | 5 | 3 | 8 | B1<br>07/10/01 | Köster <i>et al.</i>  | 435 | 6    | 04/06/99 |
| FF | 6 | 2 | 6 | 5 | 7 | 1 | 6 | B1<br>07/24/01 | Hunter <i>et al.</i>  | 250 | 288  | 02/29/00 |
| FG | 6 | 2 | 6 | 8 | 1 | 3 | 1 | B1<br>07/31/01 | Kang <i>et al.</i>    | 435 | 6    | 12/15/97 |
| FH | 6 | 2 | 7 | 7 | 5 | 7 | 3 | B1<br>08/21/01 | Köster                | 435 | 6    | 04/06/99 |
| FI | 6 | 3 | 0 | 0 | 0 | 7 | 6 | B1<br>10/09/01 | Köster                | 435 | 6    | 01/31/00 |
| FJ | 6 | 3 | 0 | 3 | 3 | 0 | 9 | B1<br>10/16/01 | Jurinke <i>et al.</i> | 435 | 6    | 06/21/99 |
| FK | 6 | 3 | 2 | 2 | 9 | 7 | 0 | B1<br>11/27/01 | Little <i>et al.</i>  | 435 | 6    | 09/02/98 |

\*English language Derwent Abstracts are provided.  
+ English language equivalents are provided.

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | ITEM | DOCUMENT NUMBER |   |   |   |   |   |   | DATE      | COUNTRY | CLASS | SUB<br>CLASS | Translation<br>Yes No |  |
|---------------------|------|-----------------|---|---|---|---|---|---|-----------|---------|-------|--------------|-----------------------|--|
| ST                  | FL   | 0               | 0 | 5 | 1 | 0 | 5 | 3 | 31/Aug/00 | PCT     |       |              |                       |  |
| ST                  | FM   | 0               | 0 | 5 | 6 | 4 | 4 | 6 | 28/Sep/00 | PCT     |       |              |                       |  |

EXAMINER

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Title: **PRIMERS USEFUL FOR SIZING NUCLEIC ACIDS**

Dated: February 4, 2002

Sheet 8 of 34

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
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09/139,386LIST OF PATENTS AND PUBLICATIONS FOR  
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## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | ITEM | DOCUMENT NUMBER |   |   |   |   |   |    | DATE      | COUNTRY | CLASS | SUB-<br>CLASS | Translation |    |
|---------------------|------|-----------------|---|---|---|---|---|----|-----------|---------|-------|---------------|-------------|----|
|                     |      |                 |   |   |   |   |   |    |           |         |       |               | Yes         | No |
|                     | FN   | 0               | 0 | 5 | 8 | 5 | 1 | 9  | 05/Oct/00 | PCT     |       |               |             |    |
|                     | FO   | 0               | 0 | 8 | 0 | 3 | 6 | 1  | 12/Oct/00 | PCT     |       |               |             |    |
|                     | FP   | 0               | 8 | 2 | 8 | 8 | 6 | 5  | 15/Dec/99 | EPO     |       |               |             |    |
|                     | FQ   | 0               | 2 | 8 | 9 | 5 | 2 | 0  | 01/Jun/88 | EP A2   |       |               |             | X* |
|                     | FR   | 0               | 3 | 6 | 0 | 8 | 7 | 6  | 28/Mar/90 | EP A1   |       |               |             | X* |
|                     | FS   | 0               | 3 | 6 | 0 | 8 | 7 | 7  | 28/Mar/90 | EP B1   |       |               |             | X* |
|                     | FT   | 0               | 4 | 1 | 2 | 8 | 8 | 3  | 13/Feb/91 | EP A1   |       |               | X           |    |
|                     | FU   | 0               | 5 | 9 | 3 | 7 | 8 | 9  | 27/Apr/94 | EP A1   |       |               |             |    |
|                     | FV   | 0               | 8 | 4 | 8 | 2 | 8 | 0  | 12/May/99 | EP B1   |       |               |             |    |
|                     | FW   | 0               | 8 | 5 | 5 | 5 | 0 | 1  | 31/May/95 | EP A1   |       |               |             |    |
|                     | FX   | 0               | 8 | 8 | 3 | 2 | 3 | 4  | 22/Nov/95 | EP      |       |               |             |    |
|                     | FY   | 0               | 7 | 0 | 1 | 0 | 0 | 1  | 13/Mar/96 | EP A2   |       |               |             |    |
|                     | FZ   | 0               | 7 | 7 | 1 | 0 | 1 | 9  | 02/May/97 | EP      |       |               |             |    |
|                     | GA   | 0               | 7 | 8 | 5 | 2 | 7 | 8  | 23/Jul/97 | EP      |       |               |             |    |
|                     | GB   | 1               | 9 | 8 | 1 | 7 | 0 | 11 | 27/Apr/86 | DE      |       |               |             | X+ |
|                     | GC   | 1               | 9 | 6 | 1 | 8 | 0 | 32 | 13/Nov/87 | DE      |       |               |             | X+ |
|                     | GD   | 1               | 9 | 6 | 2 | 8 | 1 | 78 | 12/Jul/96 | DE      |       |               |             | X* |
|                     | GE   | 1               | 9 | 7 | 3 | 1 | 4 | 79 | 06/Aug/98 | DE      |       |               |             | X* |
|                     | GF   | 1               | 9 | 7 | 5 | 4 | 9 | 78 | 11/Dec/97 | DE      |       |               |             | X+ |
|                     | GG   | 2               | 0 | 1 | 7 | 1 | 0 | 5  | 20/Mar/79 | UK      |       |               |             |    |
|                     | GH   | 2               | 2 | 1 | 6 | 3 | 9 | 8  | 28/Aug/80 | JP      |       |               |             | X* |
|                     | GI   | 2               | 2 | 3 | 3 | 6 | 5 | 4  | 16/Jun/91 | GB      |       |               |             |    |
|                     | GJ   | 2               | 3 | 3 | 2 | 2 | 7 | 3  | 16/Jun/99 | GB      |       |               |             |    |
|                     | GK   | 2               | 2 | 6 | 0 | 8 | 1 | 1  | 28/Apr/93 | GB      |       |               |             |    |
|                     | GL   | 2               | 3 | 1 | 2 | 7 | 8 | 2  | 05/Nov/87 | UK      |       |               |             |    |

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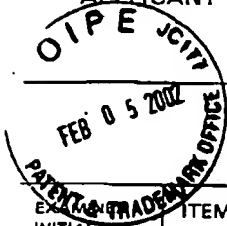
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Title: PRIMERS USEFUL FOR SIZING NUCLEIC ACIDS

Dated: February 4, 2002

FORM PTO-1449 (Modified)

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1656

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | ITEM | DOCUMENT NUMBER |   |   |   |   |   |    | DATE      | COUNTRY | CLASS | SUB<br>CLASS | Translation |    |
|---------------------|------|-----------------|---|---|---|---|---|----|-----------|---------|-------|--------------|-------------|----|
|                     |      |                 |   |   |   |   |   |    |           |         |       |              | Yes         | No |
|                     | GM   | 2               | 3 | 3 | 2 | 2 | 7 | 3  | 18/Jun/99 | UK      |       |              |             |    |
|                     | GN   | 3               | 9 | 3 | 0 | 3 | 1 | 2  | 28/Apr/90 | DE      |       |              |             | X* |
|                     | GO   | 4               | 0 | 1 | 1 | 9 | 8 | 1  | 18/Oct/90 | DE      |       |              |             | X* |
|                     | GP   | 4               | 1 | 7 | 8 | 3 | 5 | 8  | 25/Jun/92 | JP      |       |              |             | X* |
|                     | GQ   | 4               | 4 | 3 | 1 | 1 | 7 | 4  | 07/Mar/96 | DE A1   |       |              |             | X* |
|                     | GR   | 4               | 4 | 3 | 8 | 6 | 3 | 0  | 02/May/96 | DE A1   |       |              |             | X* |
|                     | GS   | 6               | 2 | 8 | 4 | 7 | 9 | 6  | 21/Oct/84 | JP A    |       |              | X           |    |
|                     | GT   | 6               | 3 | 2 | 3 | 0 | 0 | 88 | 28/Sep/88 | JP A    |       |              |             | X* |
|                     | GU   | 8               | 5 | 0 | 2 | 9 | 0 | 7  | 04/Jul/85 | PCT     |       |              |             |    |
|                     | GV   | 8               | 5 | 0 | 4 | 6 | 7 | 4  | 24/Oct/85 | PCT     |       |              |             |    |
|                     | GW   | 8               | 8 | 0 | 0 | 2 | 0 | 1  | 14/Jun/88 | PCT     |       |              |             |    |
|                     | GX   | 8               | 8 | 1 | 0 | 3 | 1 | 5  | 28/Dec/88 | PCT     |       |              |             |    |
|                     | GY   | 8               | 9 | 0 | 3 | 4 | 3 | 2  | 20/Apr/89 | PCT A1  | C12Q  | 1/68         |             |    |
|                     | GZ   | 8               | 9 | 0 | 6 | 7 | 0 | 0  | 27/Jul/89 | PCT A1  |       |              |             |    |
|                     | HA   | 8               | 9 | 0 | 7 | 1 | 4 | 9  | 10/Aug/89 | PCT     |       |              |             |    |
|                     | HB   | 8               | 9 | 0 | 8 | 2 | 8 | 2  | 05/Oct/89 | PCT     |       |              |             |    |
|                     | HC   | 8               | 9 | 1 | 2 | 6 | 2 | 4  | 28/Dec/89 | PCT     |       |              |             |    |
|                     | HD   | 8               | 9 | 1 | 2 | 6 | 9 | 4  | 28/Dec/89 | PCT     |       |              |             |    |
|                     | HE   | 9               | 0 | 0 | 1 | 5 | 8 | 4  | 22/Feb/90 | PCT     |       |              |             |    |
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|                     | HH   | 9               | 0 | 1 | 4 | 1 | 4 | 8  | 28/Nov/90 | PCT     |       |              |             |    |
|                     | HI   | 9               | 0 | 1 | 5 | 8 | 8 | 3  | 27/Dec/90 | PCT     |       |              |             |    |
|                     | HJ   | 9               | 1 | 0 | 2 | 0 | 8 | 7  | 21/Feb/91 | PCT     |       |              |             | X* |
|                     | HK   | 8               | 1 | 0 | 6 | 8 | 7 | 8  | 16/May/91 | PCT     |       |              |             |    |

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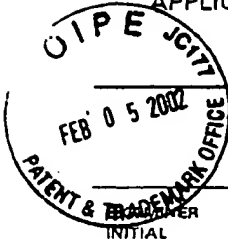
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|------|-----------------|---|---|---|---|---|---|--|-----------|---------|-------|-----------|-------------|----|
|      | 9               | 1 | 1 | 1 | 5 | 3 | 3 |  |           |         |       |           | Yes         | No |
| HL   | 9               | 1 | 1 | 1 | 5 | 3 | 3 |  | 10/Jan/81 | PCT     |       |           |             |    |
| HM   | 9               | 1 | 1 | 3 | 0 | 7 | 5 |  | 05/Sep/91 | PCT     | -     | -         |             |    |
| HN   | 9               | 1 | 1 | 5 | 6 | 0 | 0 |  | 17/Oct/81 | PCT     | -     | -         |             |    |
| HO   | 9               | 2 | 0 | 3 | 5 | 7 | 5 |  | 05/Mar/92 | PCT     |       |           |             |    |
| HP   | 9               | 2 | 1 | 3 | 6 | 2 | 9 |  | 20/Aug/92 | PCT     |       |           |             |    |
| HQ   | 9               | 2 | 1 | 5 | 7 | 1 | 2 |  | 17/Sep/92 | PCT     |       |           |             |    |
| HR   | 9               | 3 | 0 | 6 | 9 | 2 | 5 |  | 15/Apr/93 | PCT     |       |           |             |    |
| HS   | 9               | 3 | 0 | 9 | 6 | 6 | 8 |  | 27/May/93 | PCT     |       |           |             |    |
| HT   | 9               | 3 | 2 | 0 | 2 | 3 | 6 |  | 14/Oct/93 | PCT     | -     | -         |             |    |
| HU   | 9               | 3 | 2 | 3 | 5 | 6 | 3 |  | 25/Oct/93 | PCT A1  |       |           |             |    |
| HV   | 9               | 3 | 2 | 4 | 6 | 3 | 4 |  | 09/Dec/93 | PCT     |       |           |             |    |
| HW   | 9               | 4 | 0 | 0 | 5 | 6 | 2 |  | 06/Jan/94 | PCT     |       |           |             |    |
| HX   | 9               | 4 | 1 | 1 | 5 | 3 | 0 |  | 26/May/94 | PCT     |       |           |             |    |
| HY   | 9               | 4 | 1 | 6 | 1 | 0 | 1 |  | 21/Jul/94 | PCT     |       |           |             |    |
| HZ   | 9               | 4 | 2 | 1 | 8 | 2 | 2 |  | 29/Sep/94 | PCT     |       |           |             |    |
| IA   | 9               | 4 | 2 | 8 | 4 | 1 | 6 |  | 08/Dec/94 | PCT     |       |           |             |    |
| IB   | 9               | 5 | 0 | 7 | 3 | 6 | 1 |  | 16/Mar/95 | PCT     |       |           |             | x* |
| IC   | 9               | 5 | 1 | 3 | 3 | 8 | 1 |  | 18/May/95 | PCT     |       |           |             |    |
| ID   | 9               | 5 | 1 | 3 | 5 | 3 | 6 |  | 18/May/95 | PCT     |       |           |             |    |
| IE   | 9               | 5 | 1 | 5 | 4 | 0 | 0 |  | 08/Jun/95 | PCT     |       |           |             |    |
| IF   | 9               | 5 | 2 | 5 | 7 | 3 | 7 |  | 28/Sep/95 | PCT     |       |           |             |    |
| IG   | 9               | 5 | 3 | 1 | 4 | 2 | 8 |  | 23/Nov/95 | PCT     |       |           |             |    |
| IH   | 9               | 6 | 0 | 5 | 3 | 2 | 3 |  | 22/Feb/96 | PCT     |       |           |             | x* |
| II   | 9               | 6 | 1 | 0 | 6 | 4 | 8 |  | 11/Apr/96 | PCT A2  |       |           |             |    |
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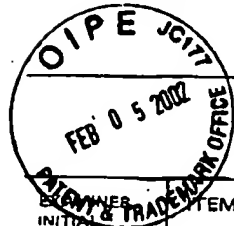
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Title: PRIMERS USEFUL FOR SIZING NUCLEIC ACIDS

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|----------------------|------|-----------------|---|---|---|---|---|---|-----------|----------|-------|--------------|-------------|----|
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|                      | IK   | 9               | 6 | 1 | 5 | 2 | 6 | 2 | 23/May/98 | PCT A2   |       |              |             |    |
|                      | IL   | 9               | 6 | 1 | 7 | 0 | 8 | 0 | 6/Jun/98  | PCT A1   |       |              |             |    |
|                      | IM   | 9               | 6 | 2 | 7 | 6 | 8 | 1 | 12/Sep/86 | PCT      |       |              |             |    |
|                      | IO   | 9               | 6 | 2 | 9 | 4 | 3 | 1 | 26/Sep/96 | PCT      |       |              |             |    |
|                      | IP   | 9               | 6 | 3 | 0 | 5 | 4 | 5 | 03/Oct/86 | PCT      |       |              |             |    |
|                      | IQ   | 9               | 6 | 3 | 2 | 5 | 0 | 4 | 17/Oct/96 | PCT      |       |              |             |    |
|                      | IR   | 9               | 6 | 3 | 6 | 7 | 3 | 1 | 21/Nov/96 | PCT      | --    | --           |             |    |
|                      | IS   | 9               | 6 | 3 | 6 | 7 | 3 | 2 | 21/Nov/96 | PCT      |       |              |             |    |
|                      | IT   | 9               | 6 | 3 | 8 | 9 | 8 | 6 | 21/Nov/96 | PCT (A1) | --    | --           |             |    |
|                      | IU   | 9               | 6 | 3 | 6 | 9 | 8 | 7 | 21/Nov/96 | PCT      |       |              |             |    |
|                      | IV   | 9               | 6 | 3 | 7 | 6 | 3 | 0 | 28/Nov/86 | PCT      |       |              |             |    |
|                      | IW   | 9               | 6 | 3 | 9 | 4 | 3 | 7 | 12/Dec/96 | PCT      |       |              |             |    |
|                      | IX   | 9               | 7 | 0 | 8 | 3 | 0 | 6 | 08/Mar/87 | PCT      |       |              |             |    |
|                      | IY   | 9               | 7 | 1 | 9 | 1 | 1 | 0 | 29/May/97 | PCT      |       |              |             |    |
|                      | IZ   | 9               | 7 | 3 | 3 | 0 | 0 | 0 | 12/Sep/97 | PCT      | --    | --           |             |    |
|                      | JA   | 9               | 7 | 3 | 7 | 0 | 4 | 1 | 09/Oct/97 | PCT      |       |              |             |    |
|                      | JB   | 9               | 7 | 4 | 0 | 4 | 6 | 2 | 30/Oct/97 | PCT      |       |              |             |    |
|                      | JC   | 9               | 7 | 4 | 2 | 3 | 4 | 6 | 13/Nov/97 | PCT      |       |              |             |    |
|                      | JD   | 9               | 7 | 4 | 3 | 8 | 1 | 7 | 20/Nov/97 | PCT      |       |              |             |    |
|                      | JE   | 9               | 8 | 0 | 3 | 2 | 5 | 7 | 29/Jen/98 | PCT      |       |              |             |    |
|                      | JF   | 9               | 8 | 1 | 1 | 2 | 4 | 9 | 19/Mar/98 | PCT      |       |              |             |    |
|                      | JG   | 9               | 8 | 1 | 2 | 3 | 5 | 5 | 26/Mar/98 | PCT      |       |              |             |    |
|                      | JH   | 9               | 8 | 1 | 2 | 7 | 3 | 4 | 26/Mar/98 | PCT      |       |              |             |    |
|                      | JI   | 9               | 8 | 1 | 4 | 9 | 8 | 2 | 09/Apr/98 | PCT      |       |              |             |    |
|                      | JJ   | 9               | 8 | 1 | 8 | 5 | 7 | 8 | 18/Sep/98 | PCT      |       |              |             |    |

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|------|-----------------|---|---|---|---|---|---|-----------|------------|---------|-------|--------------|-------------|----|
|      |                 |   |   |   |   |   |   |           |            |         |       |              | Yes         | No |
| JK   | 9               | 8 | 2 | 0 | 0 | 1 | 9 | 14/May/98 | PCT        |         |       |              |             |    |
| JL   | 9               | 8 | 2 | 0 | 0 | 2 | 0 | 14/May/98 | PCT        |         |       |              |             |    |
| JM   | 9               | 8 | 2 | 0 | 1 | 6 | 6 | 14/May/98 | PCT        |         |       |              |             |    |
| JN   | 9               | 8 | 2 | 3 | 2 | 8 | 4 | 04/Jun/98 | PCT        |         |       |              |             |    |
| JO   | 9               | 8 | 2 | 4 | 9 | 3 | 5 | 11/Jun/98 | PCT        |         |       |              |             |    |
| JP   | 9               | 8 | 2 | 6 | 0 | 9 | 5 | 18/Jun/98 | PCT        |         |       |              |             |    |
| JQ   | 9               | 8 | 3 | 0 | 8 | 8 | 3 | 16/Jul/98 | PCT        |         |       |              |             |    |
| JR   | 9               | 8 | 3 | 3 | 0 | 5 | 2 | 30/Jul/98 | PCT        |         |       |              |             |    |
| JS   | 9               | 8 | 3 | 3 | 8 | 0 | 6 | 06/Aug/98 | PCT        |         |       |              |             |    |
| JT   | 9               | 8 | 3 | 5 | 6 | 0 | 9 | 20/Aug/98 | PCT        |         |       |              |             |    |
| JU   | 9               | 8 | 5 | 4 | 5 | 7 | 1 | 03/Dec/98 | PCT        |         |       |              |             |    |
| JV   | 9               | 8 | 5 | 4 | 7 | 5 | 1 | 03/Dec/98 | PCT        |         |       |              |             |    |
| JW   | 9               | 8 | 5 | 6 | 9 | 5 | 4 | 17/Dec/98 | PCT        |         |       |              |             |    |
| JX   | 9               | 9 | 0 | 5 | 3 | 2 | 3 | 04/Feb/99 | PCT        |         |       |              |             |    |
| JY   | 9               | 9 | 0 | 8 | 2 | 1 | 8 | 25/Feb/99 | PCT        |         |       |              |             |    |
| JZ   | 9               | 9 | 1 | 2 | 0 | 4 | 0 | 11/Mar/99 | PCT        | G01N    | 33/68 |              |             |    |
| KA   | 9               | 9 | 1 | 4 | 3 | 7 | 5 | 25/Mar/99 | PCT(A2,A3) |         |       |              |             |    |
| KB   | 9               | 9 | 3 | 1 | 2 | 7 | 8 | 24/Jun/99 | PCT        |         |       |              |             |    |
| KC   | 9               | 9 | 5 | 7 | 3 | 1 | 8 | 11/Nov/99 | PCT        |         |       |              |             |    |

\* An English Derwent Abstract is provided.  
 + An English Equivalent Patent is provided.

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |   |
|----|---|
| KD | "Time of Flight Mass Spectrometry of DNA for Rapid Sequence Determination. Technical Progress Report, July 31, 1991 -- July 31, 1992" Arizona State University, Tempe, AZ (1992). |
|----|---|

EXAMINER

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
|----|--|
| KE | Adler <i>et al.</i> , "Cell Membrane Coating with Glutaraldehyde: Application to a Versatile Solid-Phase Assay for Thyroid Membrane Proteins and Molecules Interacting with Thyroid Membranes", <i>Anal. Biochem.</i> , <u>148</u> :320-327 (1985).              |
| KF | Ali, S. and Wallace, R. B., "Intrinsic polymorphism of variable number tandem repeat loci in the human genome", <i>Nucl. Acids Res.</i> , <u>16</u> :8487-8496 (1988).   |
| KG | Andersen, <i>et al.</i> , "Electrospray ionization and matrix assisted laser desorption/ionization mass spectrometry: Powerful analytical tools in recombinant protein chemistry", <i>Nature Biotech.</i> , <u>14</u> :449-457 (1996).                           |
| KH | Ardrey, "Electrospray mass spectrometry", <i>Spectroscopy Europe</i> , <u>4</u> : pgs.10, 12, 14, 16, 18, 20 (1992).   |
| KI | Arlinghaus <i>et al.</i> , "Applications of resonance ionization spectroscopy for semiconductor, environmental and biomedical analysis, and for DNA sequencing", <i>SPIE, Opt. Methods Ultrasensitive Detect. Anal. Tech. Appl.</i> , <u>1435</u> :26-35 (1991). |
| KJ | Bains, "DNA Sequencing By Mass Spectrometry: Outline Of A Potential Future Application", <i>Chimicaoggi</i> , <u>9</u> :13-16 (1991).  |
| KK | Bains, "Setting a Sequence to Sequence a Sequence", <i>Biotechnol.</i> , <u>10</u> :757-758 (1992).  |
| KL | Barany F., "Genetic disease detection and DNA amplification using cloned thermostable ligase", <i>Proc. Natl. Acad. Sci.</i> , <u>88</u> :189-193 (1991).  |
| KM | Barrell B., "DNA sequencing: present limitations and prospects for the future", <i>FASEB Journal</i> , <u>5</u> :40-45 (1991).   |
| KN | Batista-Viera <i>et al.</i> , "A new method for reversible immobilization of thiol biomolecules based on solid-phase bound thioisulfonate groups," <i>App. Biochem and Biotech</i> , <u>31</u> :175-195 (1991).  |
| KO | Beck <i>et al.</i> , "Chemiluminescent detection of DNA: application for DNA sequencing and hybridization", <i>Nucl. Acids Res.</i> , <u>17(13)</u> :5115-5123 (1989).   |
| KP | Benner <i>et al.</i> , "Identification of Denatured Double-stranded DNA by Matrix-assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", <i>Rapid Commun. Mass Spectrom.</i> , <u>9</u> :537-540 (1995).  |
| KQ | Braun, A. <i>et al.</i> , "Molecular analysis of the gene for the human vitamin-D-binding protein (group-specific component): allelic differences of the common genetic GC types", <i>Hum. Genet.</i> , <u>89</u> :401-406 (1992).                               |

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|    |   |
|----|---|
| KR | Braun <i>et al.</i> , "Improved Analysis of Microsatellites Using Mass Spectrometry", <i>Genomics</i> , <u>46</u> :18-23 (1997).  |
| KS | Braun <i>et al.</i> , "Detecting <i>CFTR</i> gene mutations by using primer oligo base extension and mass spectrometry", <i>Clinical Chemistry</i> , <u>43</u> (7):1151-1158 (1997).                        |
| KT | Brennan <i>et al.</i> , "New Methods To Sequence DNA By Mass Spectrometry", <i>SPIE New Technol. Cytom. Mol. Biol.</i> , <u>1206</u> :60-67 (1990).   |
| KU | Broude <i>et al.</i> , "Enhanced DNA sequencing by hybridization (streptavidin/biotin/stacking interaction/T4 DNA ligase/DNA polymerase)", <i>Proc. Natl. Acad. Sci. USA</i> , <u>91</u> :3072-3076 (1994). |
| KV | Bugawan <i>et al.</i> , "A method for typing polymorphism at the HLA-A locus using PCR amplification and immobilized oligonucleotide probes", <i>Tissue Antigens</i> <u>44</u> :137-147 (1994).             |
| KW | Busch <i>et al.</i> , "Mass spectrometry of large, fragile, and involatile molecules," <i>Science</i> , <u>218</u> :247-254 (1982).   |
| KX | Cantor <i>et al.</i> , "Instrumentation in molecular biomedical diagnostics: an overview", <i>Genet. Anal.</i> , <u>14</u> :31-36 (1997).   |
| KY | Cantor, C.R. and Little, D.P., "Massive attack on high-throughput biology", <i>Nat. Genet.</i> , <u>20</u> :5-6 (1998).   |
| KZ | Cantor C.R., "How will the Human Genome Project improve our quality of life?" <i>Nature Biotechnol.</i> , <u>16</u> :212-213 (1998).  |
| LA | Carrero-Valenzuela <i>et al.</i> , "Human cytochrome c oxidase subunit VIb: characterization and mapping of a multigene family", <i>Gene</i> , <u>102</u> :229-236 (1991).                                  |
| LB | Certified English translation of: Elov <i>et al.</i> , "Synthesis of RNA using T7 RNA polymerase and immobilized DNA in a stream type reactor", <i>Bioorganicheskaja Khimla</i> , <u>17</u> (6):789-94.     |
| LC | Certified English translation of Japanese patent 6-294796, "Nucleic acid analysis method."  |
| LD | Certified English translation of European patent 0412883A1, "Fast screening and/or identification of a single base on a nucleic acid sequence, including applications."                                     |
| LE | Certified English translation of PCT Patent Application WO 98/03257, "Solid supports for analytical measurement methods, their production and their use."   |

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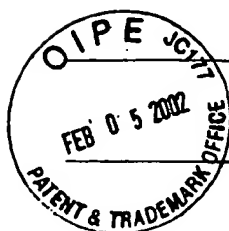
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August 25, 1998GROUP  
1656

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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|----|--|
| LF | Chait <i>et al.</i> , "Weighing naked proteins: practical, high-accuracy mass measurement of peptides and proteins," <i>Science</i> , <u>257</u> :1885-1894 (1992).  |
| LG | Chee, "Enzymatic multiplex DNA sequencing," <i>Nucleic Acids Res.</i> <u>19</u> (12):3301-3305 (1991).   |
| LH | Chen <i>et al.</i> , "Laser mass spectrometry for DNA fingerprinting for forensic applications", <i>Annual Meeting of the Society of Photo Optical Instrumentation Engineers</i> , July 24-29, 1994.   |
| LI | Church <i>et al.</i> , "Multiplex DNA Sequencing", <i>Science</i> , <u>240</u> :185-188 (1988).  |
| LJ | Cohen <i>et al.</i> , "Emerging Technologies for Sequencing Antisense Oligonucleotides: Capillary Electrophoresis and Mass Spectrometry," <i>Advanced Chromatography</i> , <u>36</u> :127-152 (1996).  |
| LK | Collins <i>et al.</i> , "A DNA Polymorphism Discovery Resource for Research on Human Genetic Variation", <i>Genome Res.</i> , <u>8</u> :1229-1231 (1998).  |
| LL | Cosstick <i>et al.</i> , "Synthesis and Properties of dithymidine phosphate analogues containing 3'-thiothymidine," <i>Nucleic Acid Research</i> , <u>18</u> :829-835 (1990).  |
| LM | Cotton, R.G.H., "Current methods of mutation detection", <i>Mutation Res.</i> , <u>285</u> :125-144 (1993).  |
| LN | Cotton <i>et al.</i> , "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations", <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :4397-4401 (1988). |
| LO | Covey <i>et al.</i> , "The Determination of Protein, Oligonucleotide and Peptide Molecular Weights by Ion-spray Mass Spectrometry", <i>Rapid Communications in Mass Spectrometry</i> , <u>2</u> (11):249-256 (1988).                               |
| LP | Crain, P.F., "Mass spectrometric techniques in nucleic acid research", <i>Mass Spectr. Rev.</i> , <u>9</u> :505-554 (1990).  |
| LQ | Cronin <i>et al.</i> , "Cystic Fibrosis Mutation Detection by Hybridization to Light-Generated DNA Probe Arrays", <i>Hum. Mutat.</i> , <u>7</u> :244-255 (1996).   |
| LR | <u>Culture of Animal Cells</u> , A Manual of Basic Technique, Book: 2nd Edition, Freshney, R.I., Alan R. Liss, Inc., New York. (1987)  |

EXAMINER

DATE CONSIDERED

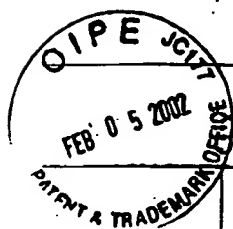
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|    |   |
|----|---|
| LS | Derwent# 007515331, WPI Acc. No. 88-149264/198822, citing European Patent Number EP 269520 A, "New HIV-2 retrovirus causing AIDS - and new antigenic proteins, antibodies and complementary nucleic acid sequences", published June 1, 1988.  |
| LT | Derwent# 007678032, WPI Acc No. 88-311964/198844, citing Japanese Patent Application JP 63230086 A, "Carrier immobilising physiological active substance - comprises binding chain-form disulphide cpd. via epoxy gp. with latex contg. polymer particles."                         |
| LU | Derwent# 008221915, WPI Acc. No. 90-108916/199015, citing European Patent Application EP 0360676 A, "Size analysis of biological mol. fragments -by mass spectrometry, esp. in nucleic acid sequencing."  |
| LV | Derwent# 008221916, WPI Acc. No. 1990-108917/199015, citing European Patent EP 0360677 B, "Identification of sub-units in complex mols. - by mass spectrometry, esp. in nucleic acid sequencing."   |
| LW | Derwent# 008246197, WPI Acc. No. 1990-133198/199018, citing German Patent DE 3930312 A), "Nucleic acid sequencing-involving amplification-denaturation cycles in presence of deoxy-nucleoside alpha-thio-triphosphate."   |
| LX | Derwent# 008415766, WPI Acc. No. 90-302767/199040, citing Japanese Patent Number JP 2215399 A, "Method for detecting DNA - Includes denaturing to single strand, combining with DNA primer having corresp. base sequence forming replicator etc."                                   |
| LY | Derwent# 008434790, WPI Acc. No. 1990-321790/199043, citing German Patent DE 4011991 A, "Simultaneous sequencing of several DNA samples - by cloning into separate vectors, complementary strand synthesis from specific fluorescent labelled primers, electrophoresis seprn. etc." |
| LZ | Derwent# 008541935, WPI Acc. No. 1991-045998/199107, citing PCT Patent Application WO 9102087 A, "Detecting single base in nucleic acid sequence -by hybridisation with primer adjacent to the specific base, then incorporation of detectable modified nucleotide."                |
| MA | Derwent# 009135586, WPI Acc No. 1992-263024, citing Japanese Patent JP 4178359 A, "New anti-inflammatory tetracycline derivs. - for treating articular rheumatism, osteoarthritis, Reiter's syndrome, Lyme disease, etc."   |

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|    |   |
|----|---|
| MB | Derwent# 010222178, WPI Acc. No. 95-123433/199516, citing PCT Patent Application WO 9507361 A, "Detecting presence and position of mutation(s) in double stranded DNA -by amplification, labelling strands with different markers, hybridisation and detecting heteroduplex by cleavage of unpaired strands."   |
| MC | Derwent# 010643408, WPI Acc. No. 1996-140362/199615, citing German Patent DE 4431174 A, "Detecting tumour specific mRNA by conversion to cDNA and amplification -provides early, sensitive and specific diagnosis and monitoring, partic. by analysis of blood or sputum."  |
| MD | Derwent# 010634381, WPI Acc. No. 1996-131334/199614, citing PCT Patent Application WO 9605323 A, "Nucleic acid amplification and opt. detection -using construcr comprising complementary strand linked to RNA polymerase promoter."  |
| ME | Derwent# 010725941, WPI Acc. No. 1996-222896/199623, citing German Patent Number DE 4438630 A, "Amplification of non-characterized DNA fragments-using only a single primer, with formation of hairpin loops during a second strand synthesis."   |
| MF | Derwent# 011458787, WPI Acc. No. 1997-436694/199741, citing German Patent Number DE 19628178 C, "Loading matrix-assisted laser desorption-ionisation sample plate for mass spectrometric analysis - using simple multi-pipette to prepare tens of thousands of samples rapidly and reliably for e.g. biochemical and genetic investigations optionally using electrophoretic concentration and delivery technique." |
| MG | Derwent# 012012061, WPI Acc. No. 1998-428971/199837, citing German Patent Number DE19731479 A, "Device for analysis of target chemicals has light emitting array -with chemical binder elements attached to capture target chemicals which change emitted light pattern accordingly."   |
| MH | Doktycz <i>et al.</i> , "Analysis of Polymerase Chain Reaction-Amplified DNA Products by Mass Spectrometry Using Matrix-Assisted Laser Desorption and Electrospray: Current Status", <i>Anal. Biochem.</i> , <u>230</u> :205-214 (1995).  |
| MI | Donis-Keller <i>et al.</i> , "Mapping adenines, guanines, and pyrimidines in RNA", <i>Nucl. Acids Res.</i> , <u>4(8)</u> :2547-2537 (1977).   |
| MJ | Donis-Keller <i>et al.</i> , "Phy M: an RNase activity specific for U and A residues useful in RNA sequence analysis", <i>Nucl. Acids Res.</i> , <u>8(14)</u> :3133-3142 (1977).  |
| MK | Drmanac <i>et al.</i> , "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method", <i>Genomics</i> , <u>4</u> :114-128 (1989).   |

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|    |  |
|----|--|
| ML | Dubiley <i>et al.</i> , "Polymorphism analysis and gene detection by minisequencing on an array of gel-immobilized primers", <i>Nucl. Acids Res.</i> , <u>27(18)</u> :e19 (i-vi) (1999).                             |
| MM | Duchateau <i>et al.</i> , "Selection of buffers and of an ion-pairing agent for thermospray liquid chromatography-mass spectrometric analysis of ionic compounds," <i>J Chromatogr</i> <u>552</u> :605-612 (1991).   |
| MN | Eckstein, F., ed. <u>Oligonucleotides and Analogues: A Practical Approach</u> Oxford:Oxford University Press, pp. 56-57, 137-139, 256-259 (1991).  |
| MO | Edmonds <i>et al.</i> , "Thermospray liquid chromatography-mass spectrometry of nucleosides and of enzymatic hydrolysates of nucleic acids", <i>Nucl. Acids Res.</i> , <u>13(22)</u> :8197-8206 (1985).              |
| MP | Elov <i>et al.</i> , "Synthesis of RNA using T7 RNA polymerase and immobilized DNA in a stream type reactor", <i>Bioorganicheskaya Khimia</i> , <u>17(6)</u> :789-94.  |
| MO | Erdogan <i>et al.</i> , "Detection of mitochondrial single nucleotide polymorphisms using a primer elongation reaction on oligonucleotide microarrays", <i>Nucl. Acids Res.</i> , <u>29(7)</u> :e36:2-7 (2001).      |
| MR | Ferrie <i>et al.</i> , "Development, Multiplexing, and Application of ARMS Tests for Common Mutations in the CFTR Gene", <i>Am. J. Hum. Genet.</i> , <u>51</u> :251-262 (1992).                                      |
| MS | Foster, M.W. and Freeman, W.L., "Naming Names in Human Genetic Variation Research", <i>Genome Res.</i> , <u>8</u> :755-757 (1998).   |
| MT | Frank and Köster, "DNA chain length and the influence of base composition on electrophoretic mobility of oligodeoxyribonucleotides in polyacrylamide-gels", <i>Nucl. Acids Res.</i> , <u>6(6)</u> :2069-2087 (1979). |
| MU | Frohman, "Cloning PCR Products," Chapter 12 in <i>The Polymerase Chain Reaction</i> , Mullis <i>et al.</i> Eds.; Birkhauser, Boston, pp. 14-37 (1994).   |
| MV | Fu <i>et al.</i> , "A DNA Sequencing Strategy Which Requires Only Five Bases Of Known Terminal Sequence For Priming", abstract: <u>Group Mapping and Sequencing</u> , Cold Spring harbor Laboratory, pp. 1 (1995).   |
| MW | Fu <i>et al.</i> , "A DNA sequencing strategy that requires only five bases of known terminal sequence for priming", <i>Proc. Natl. Acad. Sci. USA</i> , <u>92</u> :10162-10166 (1995).                              |

EXAMINER

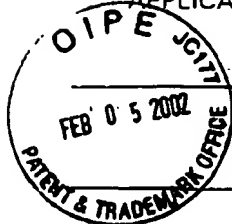
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|    |   |
|----|---|
| MX | Fu <i>et al.</i> , "Efficient preparation of short DNA sequence ladders potentially suitable for MALDI-TOF DNA sequencing", <i>Genetic Analysis: Biomolecular Engineering</i> , <b>12</b> :137-142 (1996).  |
| MY | Fu <i>et al.</i> , "Sequencing double-stranded DNA by strand displacement", <i>Nucl. Acids Res.</i> , <b>25</b> (3):677-679 (1997).   |
| MZ | Fu <i>et al.</i> , "Sequencing exons 5 to 8 of the p53 gene by MALDI-TOF mass spectrometry", <i>Nature Biotechnol.</i> , <b>16</b> :381-384 (1998).   |
| NA | Ganem <i>et al.</i> , "Detection of Oligonucleotide Duplex Forms By Ion-Spray Mass Spectrometry", <i>Tetrahedron Letters</i> , <b>34</b> (9):1445-1448 (1993).  |
| NB | Gasparini <i>et al.</i> , "Detection of a neurofibromatosis type I (NF1) homologous sequence by PCR: implications for the diagnosis and screening of genetic diseases", <i>Mol. Cell Probes</i> , <b>7</b> :415-418 (1993).   |
| NC | Gasparini <i>et al.</i> , "Restriction site generating-polymerase chain reaction (RG-PCR) for the probeless detection of hidden genetic variation: application to the study of some common cystic fibrosis mutations", <i>Mol. Cell. Probes</i> , <b>6</b> :1-7 (1992). |
| ND | <i>Gene Transfer Vectors for Mammalian Cells</i> , Book: <u>Current Communications In Molecular Biology</u> , Miller, J.H. and Calos, M.P. (Eds.), Cold Spring Harbor Laboratory, (1987).   |
| NE | George <i>et al.</i> "Current Methods in Sequence Comparison and Analysis," Chapter 12 of: <i>Macromolecule Sequencing and Synthesis, Selected Methods and Applications</i> Schlesinger (Ed.) 127-149 (1988).   |
| NF | Giannattasio <i>et al.</i> , "Molecular screening of genetic defects with RNA-SSCP analysis: the PKU and cystinuria model", <i>Mol. Cell Probes</i> , <b>9</b> :201-205 (1995).   |
| NG | Gibbs <i>et al.</i> , "Detection of single DNA base differences by competitive oligonucleotide priming", <i>Nucl. Acids Res.</i> , <b>17</b> (7):2437-2448 (1989).  |
| NH | Graber <i>et al.</i> , "Differential sequencing with mass spectrometry", <i>Genet. Anal.</i> , <b>14</b> :215-219 (1999).   |
| NI | Graber <i>et al.</i> , "Advances in DNA diagnostics", <i>Curr. Opin. Biotechnol.</i> , <b>9</b> :14-18 (1998).  |
| NJ | Griffin, H.G. and Griffin, A.M., "DNA Sequencing. Recent Innovations and Future Trends", <i>Appl. Biochem. Biotechnol.</i> , <b>38</b> :147-159 (1993).   |

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|    |   |
|----|---|
| NK | Gross <i>et al.</i> , "Investigations of the Metastable Decay of DNA Under Ultraviolet Matrix-Assisted Laser Desorption/Ionization Conditions with Post-Source-Decay Analysis and Hydrogen/Deuterium Exchange", <i>J. Amer. Soc. for Mass Spectrom.</i> , <u>9</u> :866-878 (1998). |
| NL | Grudić-Sovulj <i>et al.</i> , "Matrix-assisted laser desorption/ionization mass spectrometry of transfer ribonucleic acids isolated from yeast", <i>Nucl. Acids Res.</i> , <u>25</u> (9):1859-1861 (1997).  |
| NM | Guatelli <i>et al.</i> , "Isothermal, <i>in vitro</i> amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication", <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> :1874-1878 (1990).  |
| NN | Haag <i>et al.</i> , Rapid identification and speciation of <i>Haemophilus</i> bacteria by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry, <i>J. of Mass Spectrometry</i> <u>33</u> (8):750-756 (1998).   |
| NO | Haglund <i>et al.</i> , "Matrix-Assisted Laser-Desorption Mass Spectrometry Of DNA Using An Infrared Free-Electron Laser", <i>SPIE</i> , <u>1854</u> :117-128 (1993).   |
| NP | Hahner <i>et al.</i> , "Sequencing of nucleic acids by MALDI-MS", <u>Proceedings ASMS Conference on Mass Spectrometry and Allied Topics</u> , Portland, Oregon, (44th), pp. 983 (1996).   |
| NQ | Hainaut <i>et al.</i> , "Database of p53 gene somatic mutations in human tumors and cell lines: updated compilation and future prospects", <i>Nucl. Acids Res.</i> , <u>25</u> (1):151-157 (1997).  |
| NR | <u>Handbook Of Experimental Immunology In Four Volumes</u> , Book: Vol. 1, "Immunochemistry", Weir, D.M., (and co-Eds.), Fourth Edition, Blackwell Scientific Publications, Osney Mead, Oxford, (1986).   |
| NS | Hasan <i>et al.</i> , "Base-boronated dinucleotides: synthesis and effect of N7-cyanoborane substitution on the base protons", <i>Nucl. Acids Res.</i> , <u>24</u> (11):2150-2157 (1996).   |
| NT | Hayashi, K., "PCR-SSCP: A Method for Detection of Mutations", <i>Genet. Anal. Tech. Appl. (GATA)</i> , <u>9</u> (3):73-79 (1992).   |
| NU | Hensley, S., "Gemini Genomics and Sequenom Unveil Previously Unknown Genes", <i>Wall Street Journal</i> , Health Section, pp. 40 (2000).  |

EXAMINER

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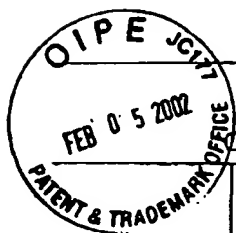
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|    |  |
|----|--|
| NV | Higgins <i>et al.</i> , "Competitive Oligonucleotide Single-Base Extension Combined with Mass Spectrometric Detection for Mutation Screening", <i>BioTechniques</i> , <u>23(4)</u> :710-714 (1997).                    |
| NW | Higuchi <i>et al.</i> , "Kinetic PCR Analysis: Real-time Monitoring of DNA Amplification Reactions", <i>BioTech.</i> , <u>11</u> :1026-1030 (1993).  |
| NX | Higuchi <i>et al.</i> , "A general method of <i>in vitro</i> preparation and mutagenesis of DNA fragments: Study of protein and DNA interactions", <i>Nucl. Acids Res.</i> , <u>16</u> :7351-7367 (1988).              |
| NY | Hillenkamp, F. and Ehring, H., "Laser Desorption Mass Spectrometry Part 1: Basic Mechanisms And Techniques", <i>Mass Spectrometry in the Biological Sciences: A tutorial</i> , pp. 165-179 (1992).                     |
| NZ | Hu <i>et al.</i> , "DNA Polymerase-Catalyzed Addition of Nontemplated Extra Nucleotides to the 3' End of a DNA Fragment", <i>DNA and Cell Biol.</i> , <u>12(8)</u> :763-770 (1993).                                    |
| OA | Hu <i>et al.</i> , "Primer specific and mispair extension analysis (PSMEA) as a simple approach to fast genotyping", <i>Nucl. Acids Res.</i> , <u>26(21)</u> :5013-5015 (1998).  |
| OB | Hyman, E.D., "A New Method of Sequencing DNA", <i>Anal. Biochem.</i> , <u>174</u> :423-436 (1988).   |
| OC | <u>Immobilised cells and enzymes</u> , a practical approach, Woodward, J. (Ed.), IRL Press Limited, Oxford, Washington, DC, 1985.  |
| OD | <u>Immunochemical Methods in Cell and Molecular Biology</u> , Mayer, R.J. and Walker, J.H. (Eds.), Academic Press, London, 1987).  |
| OE | Innis <i>et al.</i> , "DNA sequencing with <i>Thermus aquaticus</i> DNA polymerase and direct sequencing of polymerase chain reaction-amplified DNA", <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :9436-9440 (1988). |
| OF | Jacobson <i>et al.</i> , "Applications of mass spectrometry to DNA fingerprinting and DNA sequencing", <u>International Symposium on the Forensic Aspects of DNA Analysis</u> , pp. 1-18, Mar 29-Apr 2, 1993.          |
| OG | Jacobson <i>et al.</i> , "Applications of Mass Spectrometry to DNA Sequencing", <i>Genet. Anal. Tech. Appl. (GATA)</i> , <u>8(8)</u> :223-229 (1991).  |
| OH | Jain, "Delivery of Molecular Medicine to Solid Tumors", <i>Science</i> , <u>271</u> :1079-1080 (1996).   |

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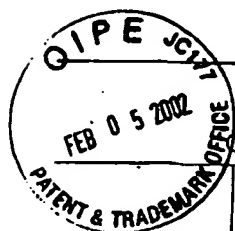
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|    |   |
|----|---|
| OI | Jett <i>et al.</i> , "High-Speed DNA Sequencing: An Approach Based Upon fluorescence Detection of Single Molecules", <i>J. Bio. Struct. &amp; Dynam.</i> , <u>7</u> (2):301-309 (1989).   |
| OJ | Ji <i>et al.</i> , "Two-dimensional electrophoretic analysis of proteins expressed by normal and cancerous human crypts: Application of mass spectrometry to peptide-mass fingerprinting", <i>Electrophoresis</i> , <u>15</u> :391-405 (1994).              |
| OK | Juhasz <i>et al.</i> , "Applications of Delayed Extraction Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry to Oligonucleotide Analysis", <i>Anal. Chem.</i> , <u>68</u> (6):941-946 (1996).                                    |
| OL | Jurinke <i>et al.</i> , "Analysis of Ligase Chain Reaction products via Matrix-Assisted Laser Desorption/Ionization Time-of-Flight-Mass Spectrometry", <i>Anal. Biochem.</i> , <u>237</u> :174-181 (1996).  |
| OM | Jurinke <i>et al.</i> , "Application of nested PCR and mass spectrometry for DNA-based virus detection: HBV-DNA detected in the majority of isolated anti-HBc positive sera", <i>Genetic Analysis: Biomolecular Engineering</i> , <u>14</u> :97-102 (1998). |
| ON | Jurinke <i>et al.</i> , "Detection of hepatitis B virus DNA in serum samples via nested PCR and MALDI-TOF mass spectrometry," <i>Genetic Analysis: Biomolecular Engineering</i> , <u>13</u> :67-71 (1996).  |
| OO | Jurinke <i>et al.</i> , "Recovery of Nucleic Acids from Immobilized Biotin-Streptavidin Complexes Using Ammonium Hydroxide and Applications in MALDI-TOF Mass Spectrometry", <i>Anal. Chem.</i> , <u>69</u> :904-910 (1997).                                |
| OP | Karas, <i>et al.</i> , "UV Laser Matrix Desorption/Ionization Mass Spectrometry Of Proteins In The 100,000 Dalton Range", <i>J. Mass Spectrom. Ion Processes</i> , <u>92</u> :231-242 (1989).   |
| OQ | Keen <i>et al.</i> , "Rapid detection of single base mismatches as heteroduplexes on Hydrolink gels", <i>Trends Genet.</i> , <u>7</u> :5 (1991).  |
| OR | Khrapko <i>et al.</i> , "An oligonucleotide hybridization approach to DNA sequencing", <i>FEB</i> , <u>256</u> (1,2):118-122 (1989).  |
| OS | Khrapko <i>et al.</i> , "A method for DNA sequencing by hybridization with oligonucleotide matrix", <i>J. DNA Sequencing and Mapping</i> , <u>1</u> :375-388 (1991).  |
| OT | Kirpekar <i>et al.</i> , "DNA sequence analysis by MALDI mass spectrometry", <i>Nucl. Acids Res.</i> , <u>26</u> (11):2554-2559 (1998).   |

EXAMINER

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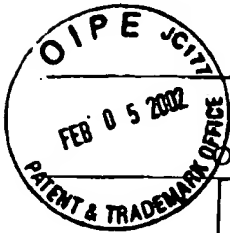
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
|----|--|
| OU | Kirpekar <i>et al.</i> , "Matrix assisted laser desorption/ionization mass spectrometry of enzymatically synthesized RNA up to 150 kDa", <i>Nucl. Acids Res.</i> , <u>22</u> (19):3866-3870 (1994).  |
| OV | Kirpekar <i>et al.</i> , "7-Deaza Purine Bases Offer a Higher Ion Stability in the Analysis of DNA by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry", <i>Rapid Commun. Mass Spectrom.</i> , <u>9</u> :525-531 (1995).        |
| OW | Kornher, J.S. and Livak, K.J., "Mutation detection using nucleotide analogs that alter electrophoretic mobility", <i>Nucl. Acids Res.</i> , <u>17</u> (19):7779-7784 (1989).   |
| OX | Köster <i>et al.</i> , "A strategy for rapid and efficient DNA sequencing by mass spectrometry", <i>Nature Biotechnology</i> , <u>14</u> :1123-1128 (1996).  |
| OY | Köster <i>et al.</i> , "N-Acyl Protecting Groups For Deoxynucleotides: A Quantitative And Comparative Study", <i>Tetrahedron</i> , <u>37</u> :363-369 (1981).  |
| OZ | Köster <i>et al.</i> , "Oligonucleotide synthesis and multiplex DNA sequencing using chemiluminescent detection", <i>Nucl. Acids Res.</i> , Symposium Series No. 24, pp. 318-321 (1991).   |
| PA | Köster <i>et al.</i> , "Some improvements in the synthesis of DNA of biological interest", <i>Nucl. Acids Res.</i> , <u>7</u> :39-59 (1980).   |
| PB | Köster <i>et al.</i> , "Well-Defined Insoluble Primers for the Enzymatic Synthesis of Oligo- and Polynucleotides", <i>Hoppe-Seyler's Z. Physiol. Chem.</i> , <u>359</u> :1579-1589 (1978).   |
| PC | Kozal <i>et al.</i> , "Extensive polymorphisms observed in HIV-1 clade B protease gene using high-density oligonucleotide arrays", <i>Nature</i> , <u>2</u> (7):753-759 (1996).  |
| PD | Krishnamurthy and Ross, Rapid identification of bacteria by direct matrix assisted laser desorption/ionization mass spectrometric analysis of whole cells, <i>Rapid Comm in Mass Spectrometry</i> <u>10</u> (15):1992-1996 (1996).           |
| PE | Krishnamurthy <i>et al.</i> , Biomolecules and mass spectroscopy, <i>J. of Natural Toxins</i> <u>6</u> (2):121-162 (1997).   |
| PF | Kuppuswamy <i>et al.</i> , "Single nucleotide primer extension to detect genetic diseases: Experimental application to hemophilia B (factor IX) and cystic fibrosis genes", <i>Proc. Natl. Acad. Sci. USA</i> , <u>88</u> :1143-1147 (1991). |
| PG | Kussmann, <i>et al.</i> , "Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Sample Preparation Techniques Designed for Various Peptide and Protein Analytes", <i>J. Mass Spec.</i> , <u>32</u> :593-601 (1997).                 |

EXAMINER

DATE CONSIDERED

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1656

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|    |  |
|----|--|
| PH | Kwoh <i>et al.</i> , "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format", <i>Proc. Natl. Acad. Sci. USA</i> , <b>86</b> :1173-1177 (1989).     |
| PI | Labeit <i>et al.</i> , "Laboratory Methods: A New Method of DNA Sequencing Using Deoxynucleoside $\alpha$ -Thiotriphosphates", <i>DNA</i> , <b>5</b> :173-177 (1986).  |
| PJ | Lagerström <i>et al.</i> , "Capture PCR: Efficient amplification of DNA fragments adjacent to a known sequence in human YAC DNA", <i>PCR Methods and Applications</i> <b>1</b> :111-119 (1991).  |
| PK | Landegren <i>et al.</i> , "A Ligase-Mediated Gene Detection Technique", <i>Science</i> , <b>241</b> :1077-1080 (1988).   |
| PL | Landegren <i>et al.</i> , "DNA Diagnostics - Molecular techniques and automation", <i>Science</i> , <b>242</b> :229-237 (1988).  |
| PM | Lecchi, P. and Pannell, L.K., "The Detection of Intact Double-Stranded DNA by MALDI", <i>J. Am. Soc. Mass Spectrom.</i> , <b>6</b> :972 (1995).  |
| PN | Leonard <i>et al.</i> , "High-resolution structure of mutagenic lesion in DNA", <i>Proc. Nat. Acad. Sci. Biochem.</i> , <b>87</b> :9573-9576 (1990).   |
| PO | Li <i>et al.</i> , "Analysis of Single Mammalian Cell Lysates by Mass Spectrometry", <i>J. Am. Chem. Soc.</i> , <b>118</b> :11662-11663 (1996).  |
| PP | Li <i>et al.</i> , "Boron-containing oligodeoxyribonucleotide 14mer duplexes: enzymatic synthesis and melting studies", <i>Nucl. Acids Res.</i> , <b>23</b> (21):4495-4501 (1995).   |
| PQ | Li <i>et al.</i> , "High-Resolution MALDI Fourier Transform Mass Spectrometry of Oligonucleotides", <i>Anal. Chem.</i> , <b>68</b> (13):2090-2096 (1996).  |
| PR | Limbach <i>et al.</i> , "Molecular mass measurement of intact ribonucleic acids via electrospray ionization quadrupole mass spectrometry", <i>J. Am. Soc. Mass Spectrom.</i> , <b>6</b> :27-39 (1995).   |
| PS | Little <i>et al.</i> , "Identification of Apolipoprotein E Polymorphisms Using Temperature Cycled Primer Oligo Base Extension and Mass Spectrometry", <i>Short Communication, Eur. J. Clin. Chem. Clin. Biochem.</i> , <b>35</b> (7):545-548 (1997). |
| PT | Little <i>et al.</i> , "Detection of RET proto-oncogene codon 634 mutations using mass spectrometry", <i>J. Mol. Med.</i> , <b>75</b> :745-750 (1997).   |

EXAMINER

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|    |  |
|----|--|
| PU | Little <i>et al.</i> , "Direct detection of synthetic and biologically generated double-stranded DNA by MALDI-TOF MS," <i>International Journal of Mass Spectrometry and Ion Processes</i> , <u>169-170</u> :323-330 (1997).                             |
| PV | Little <i>et al.</i> , "MALDI on a Chip: Analysis of Arrays of Low-Femtomole to Subfemtomole Quantities of Synthetic Oligonucleotides and DNA Diagnostic Products Dispensed by a Piezoelectric Pipet", <i>Anal. Chem.</i> , <u>69</u> :4540-4546 (1997). |
| PW | Little <i>et al.</i> , "Mass spectrometry from miniaturized arrays for full comparative DNA analysis," <i>Nature Medicine</i> , <u>3</u> (12):1413-1416 (1997).  |
| PX | Little <i>et al.</i> , "Rapid Sequencing of Oligonucleotides by High-Resolution Mass Spectrometry", <i>J. Am. Chem. Soc.</i> , <u>116</u> :4893-4897 (1994).   |
| PY | Little <i>et al.</i> , "Verification of 50- to 100-mer DNA and RNA sequences with high-resolution mass spectrometry", <i>Proc. Natl. Acad. Sci. USA</i> , <u>92</u> :2318-2322 (1995).   |
| PZ | Liu, <i>et al.</i> , "Use of a Nitrocellulose Film Substrate in Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for DNA Mapping and Screening", <i>Anal. Chem.</i> , <u>67</u> :3482 (1995).   |
| QA | Lizardi <i>et al.</i> , "Exponential Amplification of Recombinant-RNA Hybridization Probes", <i>Bio/Technol.</i> , <u>6</u> :1197-1202 (1988).   |
| QB | Marshall, A. and Hodgson, J., "DNA chips: An array of possibilities", <i>Nat. Biotechnol.</i> , <u>16</u> :27-31 (1998).   |
| QC | Martin, W.J., "New technologies for large-genome sequencing", <i>Genome</i> , <u>31</u> :1073-1080 (1989).   |
| QD | Matthews <i>et al.</i> , "Analytical Strategies for the Use of DNA Probes", <i>Anal. Biochem.</i> , <u>169</u> :1-25 (1988).   |
| QE | Matteucci, M.D. and Caruthers, M.H., "Synthesis of Deoxyoligonucleotides on a Polymer Support", <i>J. Amer. Chem. Soc.</i> , <u>103</u> :3185-3191 (1981).   |
| QF | Maxam, A.M. and Gilbert, W., "A new method for sequencing DNA", <i>Proc. Natl. Acad. Sci. USA</i> , <u>74</u> (2):560-564 (1977).  |
| QG | Maxam, A.M. and Gilbert, W., "Sequencing End-Labeled DNA with Base-Specific Chemical Cleavages", <i>Methods in Enzymol.</i> , <u>65</u> :499-560 (1980).   |

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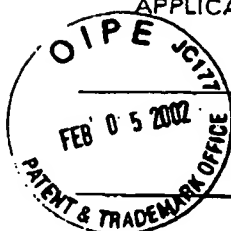
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|    |  |
|----|--|
| QH | McLafferty, <i>et al.</i> , "Double stranded DNA sequencing by tandem mass spectrometry", <i>Intl. J. Mass Spectrom. Ion Processes</i> , <u>165/166</u> :457-466 (1997).   |
| QJ | <i>Methods of Enzymol.</i> , Volume 193 Mass Spectrometry (McCloskey, editor), p. 425, Academic Press, New York, (1990).   |
| QJ | Miyazaki <i>et al.</i> , "The First Japanese Case of Hb Santa Ana, an Unstable Abnormal Hemoglobin, Identified Rapidly by Electrospray Ionization Mass Spectrometry", <i>Internal Medicine</i> , <u>36(3)</u> :365-370 (1997).                             |
| QK | Mizusawa <i>et al.</i> , "Improvement of the dideoxy chain termination method of DNA sequencing by use of deoxy-7-deazaguanosine triphosphate in place of dGTP", <i>Nucl. Acids Res.</i> , <u>14</u> :1319-1325 (1986).                                    |
| QL | <i>Molecular Cloning</i> , a Laboratory Manual, Book: Second Edition, Sambrook, J. and Russell, D.W. (Eds.), Cold Spring Harbor Laboratory Press, (1989).  |
| QM | Monforte, J.A. and Becker, C.H., "High-throughput DNA analysis by time-of-flight mass spectrometry", <i>Nature Medicine</i> , <u>3(3)</u> :36-42 (1997).   |
| QN | Mosca <i>et al.</i> , "Mass spectrometry and DNA analysis", <i>Hemoglobin</i> , <u>17</u> :261-268 (1993).   |
| QO | Mullis, K.B. and Faloona, F.A., "Specific Synthesis of DNA <i>in Vitro</i> via a Polymerase-Catalyzed Chain Reaction", <i>Meth. Enzymol.</i> , <u>155</u> :335:350 (1987).   |
| QP | Murdock <i>et al.</i> , "The age-related accumulation of a mitochondrial DNA control region mutation in muscle, but not brain, detected by a sensitive PNA-directed PCR clamping based method", <i>Nucl. Acids Res.</i> , <u>28(21)</u> :4350-4355 (2000). |
| QQ | Murray, K.K., "DNA Sequencing by Mass Spectrometry", <i>J. Mass. Spect.</i> , <u>31</u> :1203-1215 (1996).   |
| QR | Myers <i>et al.</i> , "Detection of Single Base Substitutions by Ribonuclease Cleavage at Mismatches in RNA:DNA Duplexes", <i>Science</i> , <u>230</u> :1242-1246 (1985).  |
| QS | Myers <i>et al.</i> , "Detection of single base substitutions in total genomic DNA", <i>Nature</i> , <u>313</u> :495-498 (1985).   |
| QT | Naeve <i>et al.</i> , "Accuracy of Automated DNA Sequencing: A Multi-Laboratory Comparison of Sequencing Results", <i>Biotechniques</i> , <u>19</u> :448-453 (1995).   |
| QU | Naito <i>et al.</i> , "Detection of Tyrosine Hydroxylase mRNA and Minimal Neuroblastoma Cells by Reverse Transcription-Polymerase Chain Reaction", <i>Eur. J. Cancer</i> , <u>27</u> :762-765 (1991).  |

EXAMINER

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
|----|--|
| QV | Nakajima <i>et al.</i> , "An Alternate Nonisotopic Technique Of PCR-Mediated Allele-Specific Oligonucleotide Analysis For The Detection Of A Point Mutation", <i>Res. Commun. Chem. Pathol. Pharmacol.</i> , <u>79(1)</u> :3-10 (1993).  |
| QW | Nakamaye <i>et al.</i> , "Direct Sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside a-thiotriphosphates," <i>Nucl. Acids. Research.</i> <u>16</u> :9947-9959 (1988).           |
| QX | Nakayasu <i>et al.</i> , "Mismatched nucleotides may facilitate expansion of trinucleotide repeats in genetic diseases," <i>Nucl. Acids Res.</i> , <u>26(8)</u> :1980-1984 (1998).   |
| QY | Nelson <i>et al.</i> , "Time-of-Flight Mass Spectrometry of Nucleic Acids by Laser Ablation and Ionization from a Frozen Aqueous Matrix", <i>Rapid Communications in Mass Spectrometry</i> , <u>4</u> :348-351 (1990).                   |
| QZ | Nepom <i>et al.</i> , "HLA-DQa Polymorphisms: Oligonucleotide Probes Characterize the Contribution of First and Second Domains to Electrophoretic Variants", <i>Hum. Immunol.</i> , <u>25</u> :257-267 (1989).                           |
| RA | Newton <i>et al.</i> , "Analysis of any point mutation in DNA. The amplification-refractory mutation system (ARMS)", <i>Nucl. Acids Res.</i> , <u>17(7)</u> :2503-2516 (1989).   |
| RB | Newton <i>et al.</i> , "The production of PCR products with 5' single-stranded tails using primers that incorporate novel phosphoramidite intermediates," <i>Nucl. Acids. Res.</i> , <u>21(5)</u> :1155-1162 (1993).                     |
| RC | Nickerson <i>et al.</i> , "Automated DNA diagnostics using an ELISA-based oligonucleotide ligation assay", <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> :8923-8927 (1990).  |
| RD | Nielsen, <i>et al.</i> , "Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide", <i>Science</i> , <u>254</u> :1497 (1991).  |
| RE | Nikiforov, T.T. and Rogers, Y., "The Use of 96-Well Polystyrene Plates for DNA Hybridization-Based Assays: An Evaluation of Different Approaches to Oligonucleotide Immobilization", <i>Anal. Biochem.</i> , <u>227</u> :201-209 (1995). |
| RF | Nikiforov <i>et al.</i> , "Genetic Bit Analysis: a Solid Phase Method for Typing Single Nucleotide Polymorphisms", <i>Nucl. Acids Res.</i> , <u>22(20)</u> :4167-4175 (1994).  |
| RG | Nordhoff <i>et al.</i> , "Ion stability of nucleic acids in infrared matrix-assisted laser desorption/ionization mass spectrometry", <i>Nucl. Acids Res.</i> , <u>21(15)</u> :3347-3357 (1993).  |

EXAMINER

DATE CONSIDERED

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)



|    |   |
|----|---|
| RH | Norton <i>et al.</i> , "Targeting Peptide Nucleic Acid-Protein Conjugates to Structural Features within Duplex DNA", <i>Bioorg. Med. Chem.</i> , <b>3</b> (4):437-445 (1995).   |
| RI | Nyrén <i>et al.</i> , "Solid Phase DNA Minisequencing by an Enzymatic Luminometric Inorganic Pyrophosphate Detection Assay", <i>Anal. Biochem.</i> , <b>208</b> :171-175 (1993).  |
| RJ | O'Connor <i>et al.</i> , "Isotopic Assignment in Large-Molecule Mass Spectra by Fragmentation of a Selected Isotopic Peak", <i>Anal. Chem.</i> , <b>68</b> :542-545 (1996).   |
| RK | O'Donnell <i>et al.</i> , "High-Density, Covalent Attachment of DNA to Silicon Wafers for Analysis by MALDI-TOF Mass Spectrometry", <i>Anal. Chem.</i> , <b>69</b> (13):2438-2443 (1997).   |
| RL | O'Donnell <i>et al.</i> , "MassArray as an Enabling Technology for the Industrial-Scale Analysis of DNA", <i>Genetic Engineering News</i> , <b>17</b> (21):39-41 (1997).  |
| RM | O'Donnell-Maloney <i>et al.</i> , "Microfabrication and array technologies for DNA sequencing and diagnostics", <i>Genetic Analysis: Biomolecular Engineering</i> , <b>13</b> :151-157 (1996).  |
| RN | O'Donnell-Maloney <i>et al.</i> , "The development of microfabricated arrays for DNA sequencing and analysis", <i>TIBTECH</i> , <b>14</b> :401-407 (1996).  |
| RO | Olsson, "Isolation and Characterization of a tumor necrosis factor binding protein from urine," <i>Eur. J. Haematol.</i> , <b>42</b> :270-275 (1989) (XP000937599).   |
| RP | Ordoukhanian <i>et al.</i> , "Design and Synthesis of a Versatile Photocleavable DNA Building Block: Application to Phototriggered Hybridization", <i>J. Am. Chem. Soc.</i> , <b>117</b> :9570-9571 (1995).                                       |
| RQ | Orita <i>et al.</i> , "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms", <i>Proc. Natl. Acad. Sci. USA</i> , <b>86</b> :2766-2770 (1989).  |
| RR | Overberg <i>et al.</i> , "Laser Desorption Mass Spectrometry. Part II Performance and Applications of Matrix-Assisted Laser Desorption/Ionization of Large Biomolecules", <i>Mass Spect. Biol. Sci.: A Tutorial</i> , pp. 181-197, (1992).        |
| RS | Palejwala <i>et al.</i> , "Quantitative multiplex sequence analysis of mutational hot spots. Frequency and specificity of mutations induced by a site-specific ethenocytosine in m13 viral DNA," <i>Biochemistry</i> <b>32</b> :4105-4111 (1993). |
| RT | Pesini <i>et al.</i> , "RET mutations in human disease", <i>Trends in Genetics</i> , <b>12</b> :138-144 (1996).   |

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|    |  |
|----|--|
| RU | Pieles <i>et al.</i> , "Matrix-assisted laser desorption ionization time-of-flight mass spectrometry: a powerful tool for the mass and sequence analysis of natural and modified oligonucleotides", <i>Nucl. Acids Res.</i> , <u>21(14)</u> :3191-3196 (1993). |
| RV | Pomerantz <i>et al.</i> , "Determination of Oligonucleotide Composition from Mass Spectrometrically Measured Molecular Weight", <i>Am. Soc. Mass Spectrom.</i> , <u>4</u> :204-209 (1993).   |
| RW | Porter <i>et al.</i> , "N7-Cyanoborane-2"-Deoxyguanosine-5'-Triphosphate Is a Good Substrate for DNA Polymerase, <i>Biochem.</i> , <u>34</u> :11963-11969 (1995).  |
| RX | Prezent, T. R. and Fischel-Ghodsian, N., "Trapped-Oligonucleotide Nucleotide Incorporation (TONI) Assay, a Simple Method for Screening Point Mutations", <i>Hum. Mutat.</i> , <u>1</u> :159-164 (1992).  |
| RY | Prome <i>et al.</i> , "Use of Combined Mass Spectrometry Methods for the Characterization of a New Variant of Human Hemoglobin; The Double Mutant Hemoglobin Villeparisis Beta 77(EF1)", <i>J. Am. Soc. for Mass Spectr.</i> , <u>7</u> :163-167 (1996).       |
| RZ | Prosser, J., "Detecting single-base mutations", <i>TIBTECH</i> , <u>11</u> :238-246 (1993).  |
| SA | Rosenbaum, V. and Riesner, D., "Temperature-gradient gel electrophoresis. Thermodynamic analysis of nucleic acids and proteins in purified form and in cellular extracts", <i>Biophys. Chem.</i> , <u>26</u> :235-246 (1987).                                  |
| SB | Saiki <i>et al.</i> , "Analysis of enzymatically amplified $\beta$ -globin and HLA-DQ $\alpha$ DNA with allele-specific oligonucleotide probes", <i>Nature</i> , <u>324</u> :163-166 (1986).   |
| SC | Saiki <i>et al.</i> , "Genetic analysis of amplified DNA with immobilized sequence-specific oligonucleotide probes", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :6230-6234 (1989).  |
| SD | Saleeba, J.A. and Cotton, R.G.H., "Chemical Cleavage of Mismatch to Detect Mutations", <i>Meth. Enzymol.</i> , <u>217</u> :286-295 (1993).   |
| SE | Sanger <i>et al.</i> , "DNA sequencing with chain-terminating inhibitors", <i>Proc. Natl. Acad. Sci. USA</i> , <u>74(12)</u> :5463-5467 (1977).  |
| SF | Sarin <i>et al.</i> , "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxy-nucleoside methylphosphonates", <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :7448-7451 (1988).   |
| SG | Sarkar <i>et al.</i> , "Human Genetic Bi-allelic Sequences (HGBASE), a Database of Intra-genic Polymorphisms", <u>93(5)</u> :693-694 (1998).   |

EXAMINER

DATE CONSIDERED

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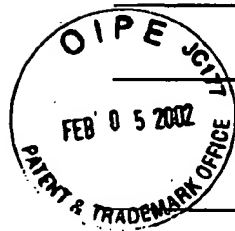


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| FORM PTO-1449 (Modified) | ATTY: DOCKET NO.<br>24736-2060             | SERIAL NO.<br>09/139,386 |
|                          | APPLICANT<br>Monforte, J. A. <i>et al.</i> |                          |
|                          | FILING DATE<br>August 25, 1998             | GROUP<br>1656            |

LIST OF PATENTS AND PUBLICATIONS FOR  
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STATEMENT

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)



|    |  |
|----|--|
| SH | Sauer <i>et al.</i> , "A novel procedure for efficient genotyping of single nucleotide polymorphisms", <i>Nucl. Acids Res.</i> , <u>28</u> (5):e13 (II-viii) (2000).   |
| SI | Schneider, K. and Chait, B.T., "Increased stability of nucleic acids containing 7-deaza-guanosine and 7-deaza-adenosine may enable rapid DNA sequencing by matrix-assisted laser desorption mass spectrometry", <i>Nucl. Acids Res.</i> , <u>23</u> :1570-1575 (1995).   |
| SJ | Schram, K.H., "Mass Spectrometry of Nucleic Acid Components", <i>Biol. Appl. of Mass Spect.</i> , <u>34</u> :203-287 (1990).   |
| SK | Seela <i>et al.</i> , "7-Deazapurine containing DNA: efficiency of c <sup>3</sup> G <sub>d</sub> TP, c <sup>3</sup> A <sub>d</sub> TP and c <sup>3</sup> I <sub>d</sub> TP incorporation during PCR-amplification and protection from endodeoxyribonuclease hydrolysis", <i>Nucl. Acids Res.</i> , <u>20</u> (1):55-61 (1992). |
| SL | Sequenom Reports On Use Of Its DNA MassArray™ Technology To Analyze Genes Associated With Alzheimer's Disease And Arteriosclerosis: Technology Has Applications In Drug Development, Press Release: Sept. 22, 1997, <a href="http://www.sequenom.com/pressrelease.htm">http://www.sequenom.com/pressrelease.htm</a> .          |
| SM | Sequenom Reports DNA MassArray™ Technology More Sensitive Than Electrophoretic Methods In Detecting Gene Mutations: Automated DNA Analysis System Can Speed Up Microsatellite Analyses, Press Release: Dec. 15, 1997, <a href="http://www.sequenom.com/pressrelease.htm">http://www.sequenom.com/pressrelease.htm</a> .        |
| SN | Sequenom Signs Agreement With Bruker-Franzen Analytik To Develop Mass Spectrometer For DNA Massarray Analysis, Press Release: Jan. 12, 1998, <a href="http://www.sequenom.com/pressrelease.htm">http://www.sequenom.com/pressrelease.htm</a> .   |
| SO | Sequenom Uses DNA MassArray™ To Sequence Section Of Human Cancer-Related p53 Gene, Press Release: Mar. 27, 1998, <a href="http://www.sequenom.com/pressrelease.htm">http://www.sequenom.com/pressrelease.htm</a> .   |
| SP | Sequenom Obtains Important New Patent For DNA MassArray Technology, Press Release: May 24, 1999, <a href="http://www.sequenom.com/pr/pressreleases/52499.html">http://www.sequenom.com/pr/pressreleases/52499.html</a> .   |
| SQ | Sequenom Advances The Industrial Genomics Revolution With The Launch Of Its DNA MassArray™ Automated Process Line", Press Release: Sept. 28, 1998, <a href="http://www.sequenom.com/pressrelease.htm">http://www.sequenom.com/pressrelease.htm</a> .   |
| SR | Sequenom Obtains Patents For DNA MassArray <sup>ISM</sup> Technology, Press Release: April 27, 1999, <a href="http://www.sequenom.com/pressrelease/42799.htm">http://www.sequenom.com/pressrelease/42799.htm</a> .   |

EXAMINER

DATE CONSIDERED

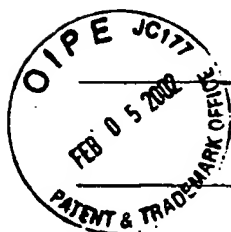
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|   | August 25, 1998                            | 1656       |



## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
|----|--|
| SS | Shaler <i>et al.</i> , "Effect of Impurities on the Matrix-Assisted Laser Desorption Mass Spectra of Single-Stranded Oligodeoxynucleotides", <i>Anal. Chem.</i> , <u>68</u> :576-579 (1996).   |
| ST | Siebert <i>et al.</i> , "Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry for the Detection of Polymerase Chain Reaction Containing 7-Deazapurine Moieties", <i>Anal. Biochem.</i> , <u>243</u> :55-65 (1996). |
| SU | Siuzdak, G., "The emergence of mass spectrometry in biochemical research", <i>Proc. Natl. Acad. Sci. USA</i> , <u>91</u> :11290-11297 (1994).  |
| SV | Smith <i>et al.</i> , "Capillary-Zone Electrophoresis-Mass Spectrometry Using an Electrospray Ionization Interface", <i>Anal. Chem.</i> , <u>60</u> :436-441 (1988).   |
| SW | Smith R. D., "New Developments in Biochemical Mass Spectrometry: Electrospray Ionization", <i>Anal. Chem.</i> , <u>62</u> :882-899 (1990).   |
| SX | Smith <i>et al.</i> , "Fluorescence detection in automated DNA sequence analysis", <i>Nature</i> , <u>321</u> :674-679 (1986).   |
| SY | Sokolov, B.P. and Prockop, J.J., "A rapid and simple PCR-based method for isolation of cDNAs from differently expressed genes", <i>Nucl. Acids Res.</i> , <u>22</u> (19):4009-4015 (1994).   |
| SZ | Sokolov, B.P., "Primer extension technique for the detection of single nucleotide in genomic DNA", <i>Nucl. Acids Res.</i> , <u>18</u> (12):3671 (1989).   |
| TA | Stahl <i>et al.</i> , "Solid phase DNA sequencing using the biotin-avidin system," <i>Nucl. Acids Res.</i> , <u>16</u> (7):3025-3039 (1988).   |
| TB | Stein <i>et al.</i> , "Physicochemical properties of phosphorothioate oligodeoxynucleotides", <i>Nucl. Acids Res.</i> , <u>16</u> (8):3209-3221 (1988).  |
| TC | Sun <i>et al.</i> , "A new MALDI-TOF based mini-sequencing assay for genotyping of SNPS", <i>Nucl. Acids Res.</i> , <u>28</u> (12):e68 (i-viii) (2000).  |
| TD | Syvänen <i>et al.</i> , "A Primer-Guided Nucleotide Incorporation Assay in the Genotyping of Apolipoprotein E", <i>Genomics</i> , <u>8</u> :684-692 (1990).  |
| TE | Syvänen <i>et al.</i> , "Detection of Point Mutations by Solid-Phase Methods," <i>Human Mutation</i> <u>3</u> (3):172-179 (1994).  |
| TF | Syvänen <i>et al.</i> , "Identification of Individuals by analysis of Biallelic DNA markers, using PCR and Solid-Phase Minisequencing", <i>Am. J. Hum. Genet.</i> , <u>52</u> :46-59 (1993).   |

EXAMINER

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |   |
|----|---|
| TG | Szybalski, "Universal restriction endonucleases: designing novel cleavage specificities by combining adapter olideoxynucleotide and enzyme moieties," <i>Gene</i> <b>40</b> :169-173 (1985).  |
| TH | Tang <i>et al.</i> , "Detection of 500-Nucleotide DNA by Laser Desorption Mass Spectrometry", <i>Rapid Commun. Mass Spectrom.</i> , <b>8</b> :727-730 (1994).   |
| TI | Tang <i>et al.</i> , "Matrix-Assisted Laser Desorption/Ionization of Restriction Enzyme-Digested DNA", <i>Rapid Commun. Mass Spectrom.</i> , <b>8</b> :183-186 (1994).  |
| TJ | Tang <i>et al.</i> , "Matrix-assisted laser desorption/ionization mass spectrometry of immobilized duplex DNA probes", <i>Nucl. Acids Res.</i> , <b>23</b> (16):3126-3131 (1995).   |
| TK | Tang, <i>et al.</i> , "Improving mass resolution in MALDI/TOF analysis of DNA", <i>American Society of Mass Spectrometrists Conference</i> May 21-26, 1995.   |
| TL | Tobe <i>et al.</i> , "Single-well genotyping of diallelic sequence variations by a two-color ELISA-based oligonucleotide ligation assay", <i>Nucl. Acids Res.</i> , <b>24</b> (19):3728-3732 (1996).  |
| TM | Tomer <i>et al.</i> , "Coaxial Continuous Flow Fast Atom Bombardment for Higher-Molecular-Weight Peptides: Comparison with Static Fast Atom Bombardment and electrospray ionization", <i>Biol. Mass Spect.</i> , <b>20</b> :783-788 (1991). |
| TN | Trainor, "DNA Sequencing, Automation, and the Human Genome", <i>Anal. Chem.</i> , <b>62</b> :418-426 (1990).  |
| TO | Ugozzoli <i>et al.</i> , "Detection of Specific Alleles by Using Allele-Specific Primer Extension Followed by Capture on Solid Support", <i>Genet. Anal. Tech. Appl. (GATA)</i> , <b>9</b> (4):107-112 (1992).                              |
| TP | Uhlmann <i>et al.</i> , "Antisense Oligonucleotides: A New Therapeutic Principle", <i>Chemical Reviews</i> , <b>90</b> (4):544-583 (1990).  |
| TQ | Valaskovic <i>et al.</i> , "Attomole-Sensitivity Electrospray Source for Large-Molecule Mass Spectrometry", <i>Anal. Chem.</i> , <b>67</b> :3802-3805 (1995).   |
| TR | Valaskovic <i>et al.</i> , "Attomole Protein Characterization by Capillary Electrophoresis-Mass Spectrometry", <i>Science</i> , <b>273</b> :1199-1202 (1996).   |
| TS | Van Brunt, J., "Amplifying Genes: PCR And Its Alternatives", <i>Bio/Technol.</i> , <b>8</b> :291-294 (1990).  |
| TT | van den Boom <i>et al.</i> , "Forward and Reverse DNA Sequencing in a Single Reaction", <i>Anal. Biochem.</i> , <b>256</b> :127-129 (1998).   |

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|    |  |
|----|--|
| TU | van den Boom <i>et al.</i> , "Combined amplification and sequencing in a single reaction using two DNA polymerase with differential incorporation rates for dideoxynucleotides", <i>J. Biochem. Biophys. Methods</i> , <u>35</u> :69-79 (1997).                                |
| TV | Vorm <i>et al.</i> , "Improved Resolution and Very High Sensitivity in MALDI TOF of Matrix Surfaces Made by Fast Evaporation", <i>Anal. Chem.</i> , <u>66</u> :3281-3287 (1994).   |
| TW | Walker <i>et al.</i> , "Multiplex strand displacement amplification (SDA) and detection of DNA sequences from <i>Mycobacterium tuberculosis</i> and other mycobacteria", <i>Nucl. Acids Res.</i> , <u>22</u> (13):2670-2677 (1994).  |
| TX | Wallace <i>et al.</i> , "Hybridization of synthetic oligodeoxyribonucleotides to phi chi 174 DNA: the effect of single base pair mismatch", <i>Nucl. Acids Res.</i> , <u>6</u> (11):3543-3557 (1979).  |
| TY | Wallace <i>et al.</i> , "Oligonucleotide directed mutagenesis of the human beta-globin gene: a general method for producing specific point mutations in cloned DNA", <i>Nucl. Acids Res.</i> , <u>9</u> (15):3647-3656 (1981).   |
| TZ | Wallace <i>et al.</i> , "The use of synthetic oligonucleotides as hybridization probes. II. Hybridization of oligonucleotides of mixed sequence to rabbit beta-globin DNA", <i>Nucl. Acids Res.</i> , <u>9</u> (4):879-894 (1981).   |
| UA | Welham <i>et al.</i> , "The rapid identification of intact microorganisms by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry", <i>Pharmacy and Pharmacology Comm.</i> <u>4</u> (2):81-87 (1998).  |
| UB | Williams, "Time of flight mass spectrometry of DNA laser-ablated from frozen aqueous solutions: applications to the Human Genome Project", <i>Intl. J. Mass Spectrom. and Ion Processes</i> , <u>131</u> :335-344 (1994).  |
| UC | Wolter <i>et al.</i> , "Negative ion FAB mass spectrometric analysis of non-charged key intermediates in oligonucleotide synthesis: rapid identification of partially protected dinucleoside monophosphates", <i>Biomed. Environ. Mass Spect.</i> , <u>14</u> :111-116 (1987). |
| UD | Wong <i>et al.</i> , "Characterization of $\beta$ -thalassaemia mutations using direct genomic sequencing of amplified single copy DNA", <i>Nature</i> , <u>330</u> :384-386 (1987).   |
| UE | Wood <i>et al.</i> , "Direct sequence data from heterogeneous creatine kinase (43 kDa) by high-resolution tandem mass spectrometry", <i>Biochem.</i> , <u>34</u> :16251-16254 (1995).  |

EXAMINER

DATE CONSIDERED

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1656

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
|----|--|
| UF | Wu <i>et al.</i> , "Time-of-Flight Mass Spectrometry of Underivatized Single-Stranded DNA Oligomers by Matrix-Assisted Laser Desorption, <i>Anal. Chem.</i> , <u>66</u> (10):1637-1645 (1994).                               |
| UG | Wu <i>et al.</i> , "The ligation amplification reaction (LAR) — amplification of specific DNA sequences using sequential rounds of template-dependent ligation," <i>Genomics</i> , <u>4</u> :560-569 (1989).                 |
| UH | Wu <i>et al.</i> , "Allele-specific enzymatic amplification of $\beta$ -globin genomic DNA for diagnosis of sickle cell anemia", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :2757-2760 (1989).                            |
| UI | Yang, <i>et al.</i> , "Detection of Hepatitis B Virus in Plasma Using Flow Cytometric Analyses of Polymerase Chain Reaction-Amplified DNA Incorporating Digoxigenin-11-dUTP", <i>Blood</i> , <u>81</u> (4):1083-1088 (1993). |
| UJ | Yates, III, "Mass spectrometry and the age of the proteome", <i>J. Mass Spec.</i> , <u>33</u> :1-19 (1998).  |
| UK | Zhang <i>et al.</i> , "Single-base mutational analysis of cancer and genetic diseases using membrane bound modified oligonucleotides", <i>Nucl. Acids Res.</i> , <u>19</u> :3929-3933 (1991).                                |
| UL | Zimmermann <i>et al.</i> , "Automated Preparation and Purification of M13 Templates for DNA Sequencing", <i>Meth. Mol. Cell. Biol.</i> , <u>1</u> :29-34 (1989).   |
| UM | Zuckermann <i>et al.</i> , "Efficient methods for attachment of thiol specific probes to the 3'-ends of synthetic oligodeoxyribonucleotides," <i>Nucleic Acids Research</i> , <u>15</u> :13 5305-5320 (1987).                |

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